

The
CHEMIST AND DRUGGIST
or RETAILER - WHOLESALE - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

350
XLI

APRIL 22, 1944

Annual Subscription (with
Diary) 25/- Single Copies 9d.

MACFARLAN'S

ALKALOIDS AND
ANÆSTHETICS

have attained during over
a century of experience,
an unassailable reputation
for purity and reliability

J. F. MACFARLAN & CO.

Makers of Pharmaceuticals
since 1780



109, Abbeyhill, Edinburgh. 8, Elstree Way, Boreham Wood, Herts

For 75 years...

Wright's have been proud to maintain their
policy of supplying the finest pharmaceutical
preparations at reasonable prices. BULK DRUGS ★
DISINFECTANTS ★ PACKED PHARMACEUTICALS ★
AMPOULES ★ HYPODERMIC TABLETS

WRIGHT, LAYMAN & UMNEY

LIMITED

SOUTHWARK STREET · LONDON, S.E.1 · HOP. 2315

CRESANTOL-15

A READILY AVAILABLE HIGH-COEFFICIENT GERMICIDE FOR ANTISEPTIC FLUIDS

CRESANTOL - 15

Synonym. — Chlorxylenols.

Description. Straw coloured liquid.

Solubility. *In water*—approximately 1 in 3,000.

Soluble in castor oil soap or soft soap solution
and in alcohol.

Activity. Phenol coefficient exceeding that of
Chloroxylenol B.P. (Rideal Walker test.)

Action. Germicide.

Uses. Economical manufacture of chlorinated
xylenol antiseptic fluids for surgical purposes,
personal and general hygiene.

Concentration. Up to 5% according to
germicidal coefficient desired.

Availability. Ample supplies.

Source. Monsanto Chemicals Limited, Ruabon,
Wrexham, Denbighshire.

M 2601

MONSANTO CHEMICALS LIMITED · RUABON · WREXHAM · DENBIGHSHIRE

Pharmacist and psychologist — the chemist is both. His customers' purchases not only go in the medical cupboard but sometimes give a glimpse of the skeleton there — troubles which the skill of the pharmacist does its best to overcome.

Customers vary . . .



There's the "NERVY CUSTOMER." You know he is nervy, not so much from his manner as from the specifics he buys. More and more of these people are realising what you, of course, have known for years — that Benger's, resting his gastro-intestinal tract as well as his brain in sleep, is going a long way towards a permanent cure for his "nerves." This is constantly stressed Benger's widely circulating and repeatedly appearing advertisements. It rapidly enlarging the range of Benger sales.

***...but you can invariably
sell them*** —————

BENGER'S

**90% of your customers need Benger's
and are being educated to ask for it.**

**BENGER'S LTD. HOLMES
CHAPEL, CHESHIRE.**



Crookes'
COLLOSOL MANGANESE

In the treatment of all coccogenic or pyogenic affections observed clinical cases have proved the remarkable value of Crookes' Collosol Manganese. It is a colloidal preparation which is prevented from precipitation on addition to the blood plasma. Its action is to *increase* the protective powers of the serum proteins—and is thus non-specific and effective. When injected intramuscularly there is the minimum of discomfort, and by the oral route it is particularly convenient for the treatment of children.

A
thoroughly established
therapeutic agent
for the treatment of

**BOILS
CARBUNCLES
ABSCESSSES
CHRONIC ULCERS
GONORRHŒA
ACNE
PSORIASIS
ETC.**

KEROCAIN

(PROCAINE HYDROCHLORIDE KERFOOT)

LOCAL ANAESTHESIA AT ITS BEST

Procaine Hydrochloride in an exceptionally pure and reliable form, conforming to standards considerably more stringent than those of the B.P.



Prepared under ideal conditions
and the strictest analytical control.
Always specify KEROCAIN.

Thomas Kerfoot & Co. Ltd., Vale of Bardsley, Lancashire K.11

PROMOTES DEEP
REFRESHING
SLEEP

Cadbury's
BOURN-VITA
NEEDS NO SUGAR

INDEX TO ADVERTISERS

The fact that goods made of raw materials in short supply owing to war conditions are advertised in this paper should not be taken as an indication that they are necessarily available for export.

Ston Pill & Tablet Co., Ltd.	10
mer, G. C., & Co., Ltd.	24
len, Stafford, & Sons, Ltd.	17
nglo-African Shipping Co. (S.A.), Ltd.	ii
shley & Weeks, Ltd.	x
arker, R., & Son, Ltd.	Leader Page
ayer Products, Ltd.	i
enger's, Ltd.	2
orys Beauty Products, Ltd.	14
ox, W. H.	x
ricas, Ltd.	14
ritish Drug Houses, Ltd., The	xi
ritish Felsol Co., Ltd.	Cover iv
rome & Schimmer	v
rooks, R., & Co.	vii
urrough, James, Ltd.	Leader Page
urroughs, Wellcome & Co.	25
adbury Bros., Ltd.	4
lvert, F. C., & Co., Ltd.	5
aria Radium, Ltd.	viii
hemical & Natural Products, Ltd.	xvi
hemi-Synthetics, Ltd.	xi
hesebrough Manfg. Co., Ltd.	ix
iba, Ltd.	26
inical Products, Ltd.	viii
ox, Arthur H., & Co., Ltd.	8
rookes Laboratories (British Colloids, Ltd.)	3
rosskill, C. R., & Sons	13
ales Aspirin Co.	13
aniel, Richard, & Son, Ltd.	13
avenport, J. T., Ltd.	xiv

(continued overleaf)



Order your requirements NOW!

9/- per dozen less discount
6 dozen parcel less 5% & 2½%
12 " " " 10% & 2½%

F. C. CALVERT & CO. LTD., MANCHESTER, 11



SEROCALCIN

PLEASE ORDER EARLY

In spite of heavy demand, stimulated by recommendations and National Press advertising, we are pleased to announce that we have been able largely to overcome supply difficulties. Chemists are, however, invited to place their orders early to avoid the possibility of future delays in delivery.

SEROCALCIN PREVENTS COLDS

HARWOODS LABORATORIES LTD., WATFORD, HERTS. WATFORD 4457

INDEX—(contd.)

Day, Son & Hewitt (Ireland), Ltd.	12	Monsanto Chemicals, Ltd.	
Dentifrice Manufacturers of Great Britain	14	Moore Medicinal Products, Ltd.	
E.N.T. Manufacturing Co., Ltd.	10	Napp, H. R., Ltd.	Leader Pa
Edosan, Ltd.	24	National Glass Works (York), Ltd.	
Emmet Distributing Co., Ltd.	xii	Newball & Mason, Ltd.	
Esco (Rubber), Ltd.	20	Optabs, Ltd.	
Fennings, A.	x	Owbridge, W. T., Ltd.	
Freder Brothers Paper Mills, Ltd.	20	Palestine Potash, Ltd.	
Freudentheil, Smith & Co.	Leader Page	Pifco, Ltd.	
Fubex, Ltd.	12	Potter & Clarke, Ltd.	
Gale & Mount, Ltd.	vii	Prunol Proprietaries, Ltd.	
Gibson, Robert, & Sons, Ltd.	xi	Rendell, W. J., Ltd.	
Gilbert, J. C., Ltd.	ii	Riley, J., & Sons, Ltd.	
Goldstone Chemical Works	Leader Page	Rodmill Chemical Co., Ltd.	
Gosheron, John, & Co., Ltd.	10	Samona, Ltd.	x
Haller Laboratories, Ltd.	xv	Samuelson, P., & Co.	v
Harwoods Laboratories, Ltd.	5	Savory & Moore, Ltd.	Leader Pa
Haywood, J. H., Ltd.	20	Sessions, W., Ltd.	Leader Pa
Ilex Supply Co., Ltd.	8	Sharp & Dohme, Ltd.	1
Ingram, J. G., & Son, Ltd.	16	Sherley, A. F., & Co., Ltd.	2
International Laboratories, Ltd.	18	Sigal S., & Co., Ltd.	2
Iodine Educational Bureau	xiii	Smith, J. H., & Co., Ltd.	
Jeffreys, Miller & Co., Ltd.	10	Splendor, Ltd.	vi
Jones, W. H., & Co. (London), Ltd.	24	Standard Yeast Co., Ltd.	x
Kearsley, C. & G., Ltd.	xiii	Stemco, Ltd.	x
Keenes Laboratories, Ltd.	xiii	Summer, R., & Co., Ltd.	Cover
Kellys, J., (London), Ltd.	vi	Suter, A. F., & Co., Ltd.	
Kerfoot, T., & Co., Ltd.	4	Tintex Dyes	
King, J. C., Ltd.	21	United Glass Bottle Manufacturers, Ltd.	
Lennon, Ltd.	vi	Urillac Co., Ltd.	
Lewis (Import & Export), Ltd.	12	Velvet Crepe Paper Co., Ltd.	
Liquinure Sales	xv	Waide, Thos., & Sons, Ltd.	
Liverpool School of Pharmacy	24	Washington Chemical Co., Ltd.	Leader Pa
London Pharmaceutical Laboratories, Ltd.	22	Webster, Isaac, & Sons, Ltd.	
Macfarlan, J. F., & Co.	Front Cover	White, J. F., & Co., Ltd.	x
Mather, Wm., Ltd.	20	Wilkinson, S. W., & Co.	2
Matthews Laboratories, Ltd.	Leader Page	Wilson Meats, Ltd.	xi
Maw, S., Son & Sons, Ltd.	11	Wood Bros. Glass Co., Ltd.	i
Momand, Don S., Ltd.	21	Wright, Layman & Umney, Ltd.	Cover
		Zeal, G. H., Ltd.	1
		Zemis, Ltd.	2



Profits


Concentrate on the larger size URILLAC Tablets retailing at 3/4 and increase your profits. No other Nationally advertised remedy for the relief of rheumatism yields such a handsome margin of profit. Get your share by consistent displays.

URILLAC
for TABLETS
RHEUMATISM

On the **P.A.T.A.** protected list



THE URILLAC COMPANY LTD. RAWDON · LEEDS




Personal Daintiness

Personal daintiness and complete self-confidence as well as the solution of problems which have previously caused general nervous tension amongst women, follow the choice of Rendells Products for Feminine Hygiene. This important subject is objectively discussed in Nurse Drew's booklet "Hygiene for Women"—from any chemist. If you prefer write direct to:
NURSE DREW, VICTORIA HOUSE, SOUTHAMPTON ROW, LONDON, W.C.1

RENDELLS
 PRODUCTS
 FOR FEMININE HYGIENE

APPROVED BY DOCTORS
 SOLD BY CHEMISTS




Be guided by NURSE DREW

Every woman knows the familiar face of Nurse Drew. Women's magazines, national newspapers and periodicals of every kind carry Rendells announcements regularly. Display Rendells show material prominently and share in the wide-spread demand for Rendells products.

Rendells

PRODUCTS

FOR FEMININE HYGIENE

PATA

MANUFACTURING

CHEMISTS



FOR OVER A CENTURY . . .

Dr Page-Barker's

Scurf Lotion

This well-known preparation is still being manufactured to the original formula, although owing to wartime conditions supplies are somewhat restricted.

If you find any difficulty in obtaining supplies send us the name of your usual Wholesaler and we will do our best to assist you.

Trade 24/- per doz.

Retail 3/- P.A.T.A.

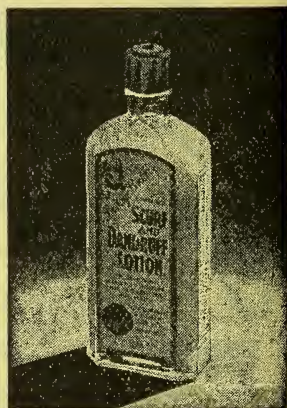
The above prices include Purchase Tax.

Sole Manufacturers and Proprietors—

ILEX SUPPLY CO. LTD.

(Page-Barker Dept.)

252b GRAYS INN ROAD, W.C.1



Optabs

L I M I T E D

Special Offer
OF EYE LOTION LIQUID
for ONE MONTH MORE

1 Gross 2/3d. E.L.L. @ 16/- doz.
Less 5% discount. 4 doz. Eyecups FREE.

6 Dozen 2/3d. E.L.L. @ 16/- doz.
Less 2½% discount. 2 doz. Eyecups FREE.

3 Dozen 2/3d. E.L.L. @ 16/- doz.
1 doz. Eyecups FREE.

QUANTITIES UNDER 3 DOZEN
at usual terms, 16/- per doz. plus tax

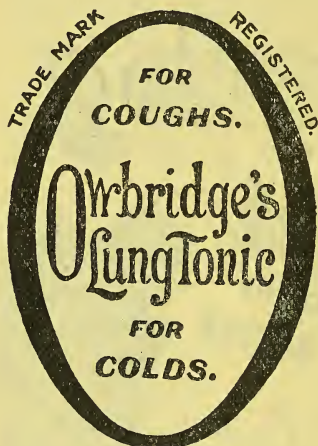


1 doz 10½° eyecups
FREE with each
3 doz. Eye Lotion Liquid
PLUS DISCOUNT

Order NOW! from your C.F. Wholesaler



OPTABS LTD., Chapel St., Bradford. Tel.: Bradford 12028



We regret that owing to shortage of raw materials we are compelled to ration supplies to our customers.

We should like to express our sincere thanks to all for the spirit in which this unavoidable restriction has been accepted.

(Protected by P.A.T.A.)

W. T. OWBRIDGE, Ltd., The Laboratory, HULL

**MANOIDS . .
NEVROIDS . .
URICURE TABLETS
OCCASIONAL PILLS**

THE ACTON PILL & TABLET Co. Ltd.
ASH VALE, SURREY.
and all Sundries Houses.

Write for
our
special
terms.



A STEADY INCOME
—is assured if you stock
E.N.T. Powders & Capsules. Good stock
good formula and good
profit bring them. **P.A.T.A.**
E.N.T. MANFG. Co. Ltd.
431 Gloucester Rd. Bristol

Good! it's MASON'S
EXTRACT OF HERB

The Chemists'
FAVOURITE for
over 75 YEARS

A 9d. bottle makes 6 gallons
delicious sparkling Mason's Her
Beer. **GOOD PROFITS—QUICK SALE**

Write for Trade Terms

NEWBALL & MASON LTD., NOTTINGHAM. Est. 18



MILLAMALT

The **VITAMIN
MALT FOOD**

With Guaranteed Complement of Vitamins A, B, C & D
Sole Manufacturers,
JEFFREYS MILLER & Co. Ltd. Leyland Mills, WIGAN, London Dept. 19 Brookside Road, N.

**THE
HOUSE OF MAW
still efficiently
at your Service!**

- SURGICAL DRESSINGS
- SURGICAL INSTRUMENTS
- SURGICAL APPLIANCES
- FIRST AID EQUIPMENT
- MEDICAL REQUISITES
- CHEMISTS SUNDRIES

**S. MAW, SON & SONS, LTD.,
ALDERSGATE HOUSE, NEW BARNET, HERTS.**

Telephone - BARNET 5555

Telegrams - ELEVEN, BARNET

ESTABLISHED 1807

WARNING!

We commend the following letter to your

NOTICE

Its purpose is to warn you against offering for sale under our titles, preparations which are not our manufacture. Having a reputation for quality, it is our duty to protect it, and ensure that our preparations are supplied when asked for.

To: MESSRS. DAY, SON & HEWITT (Ireland), LTD., DUBLIN.

I, LEWIS VINCENT WILSON, of 2 Queen Street, Durrow, in the County of Leix, M.P.S.I., M.A.O.I., hereby tender to you my unqualified apology for having sold as "Red Drench" an article which was not your genuine Red Drench. I undertake to discontinue the practice and to adopt in future such steps as will render impossible a recurrence of the matters complained of. I authorise you to make any use you desire of this apology.

Dated, 30th day of November, 1943.

Signed by the said LEWIS

VINCENT WILSON in

presence of:—

NICHOLAS J. COSGRAVE, } LEWIS V. WILSON.

17 D'Olier Street,

Dublin, Solicitor.

DAY, SON & HEWITT (Ireland), LTD., DUBLIN

Makers of Medicines that master Disease.



The Most Effective
MOTH PREVENTATIVE

The sale of NOMOMOT
has increased by 75%

—To avoid disappoint-
ment we advise you to
book your orders early.

ORDER NOW from your usual Whole-
saler or direct from the Manufacturers:

LEWIS (Import & Export) LTD.
38 Great Portland St., London, W.1

Tel.: MUS. 4891

Flyol

CONCENTRATED INSECTICIDE

IN TIMES OF
DOUBTFUL
VALUES THE
PUBLIC DOES
APPRECIATE
QUALITY



That is the simple reason why FLYOL sells quicker than we can supply it. Sprayed in the home, green houses, stables, etc., FLYOL kills flies, moths, beetles, lice and all other insects.

★ Please order well in advance as delays are inevitable.

SOLE MAKERS
FUBEX LIMITED
22-HIGH ST. KINGSTON-ON-THAMES



Established 1860

MANUFACTURERS OF
TABLETS
AND
PILLS
For the
Pharmaceutical
Trade



'Phone: Derby 4266-7-8. 'Grams: Dania Derby

"NORVEX" (REGD.) **SANITARY TOWELS**
ALL WOOL, WITH LOOPS — SIZES 0 to 4
A SUPER TOWEL
CROSSKILLS OF NORWICH

Phone:
20954

"TICK" INSECT POWDER DOES THE TRICK
Destroys Beetles, Cockroaches, Crickets, Bugs, Ants, etc., etc.
RETAIL 1/3 :: TRADE 10/- per doz.
RODMILL CHEMICAL CO., LTD., 9 Paddington, Liverpool 7

Makers of **COMPRESSED TABLETS**
for the Manufacturing and Wholesale Trade only
The DALES ASPIRIN COMPANY PROPRIETOR (H. A. TOLKIEN)
Output of Saccharin and Aspirin Tablets sold for some months ahead
SILSDEN, Nr. KEIGHLEY, Yorks.

Thank you sincerely

LAST year's Metal Tube Salvage campaign was a tremendous success! Many tons of precious metal increased munition supplies: thousands of welcome parcels were sent to our prisoners of war. But this resounding success wouldn't have been possible without your generous and consistent help. More and still more munitions will be needed to make 1944 a Victory year. Prisoner-of-war parcels must still be sent. So please go on giving your invaluable help.

Here is a reproduction of a new Window Bill with an appeal which will create an even bigger response. Ask a representative of any dentifrice manufacturer for a copy, or write to the Secretary at address below.

Please...

- 1 Place this show-bill prominently in your window.
- 2 Ask your customers for an old tube when selling a new one. All tubes are wanted—toothpaste, shaving cream, ointments, face creams, etc.
- 3 Place a container on your counter where customers can put empty tubes.

N.B. Regular collections by Container Recovery Service.

All proceeds go to the

RED CROSS & ST. JOHN FUND

Bring your old tubes here

THIS IS A RECOGNISED COLLECTING ORGAN

230 OF THESE

PROVIDE THIS FOR A PRISONER OF WAR

PROCEEDS FROM THE SALE OF TUBES GO TO THE

RED CROSS & ST JOHN FUND

Issued by The Dentifrice Manufacturers Section, London Chamber of Commerce, 69 Cannon Street, London, E.C.4.

MRT 5-51

RAW MATERIALS

for the Cosmetic Trade

- PERFUME COMPOUNDS ● STEARIC ACID
- LANOLIN ● BEESWAX ● GLYCERINE
- SUBST. ● GUMS ● SULPH. FATTY
- ALCOHOLS ● EMULSIFIERS AND WAXES

From 1 lb. upwards.

BORYS BEAUTY PRODUCTS LTD.
Trenmar Gardens, N.W.10. Ladbroke 0202.

PROMPT DELIVERY FROM STOCK!

Emulsifier A1. Melt 5 lb. and stir in 5 gal. Water to obtain 800 oz. Perfect thick white Hair Cream.

Emulsifier Extra. To 5 lb. add 3½ gal. Water to obtain 560 oz. first quality Vanishing Cream.

Emulsifier "G." To 12½ lb. add 5 gal. Water to obtain high grade Setting Lotion.

Emulsifier "O.K." To 10 lb. add 5 gal. Water to obtain excellent Brushless Shaving Cream.

Best wholesalers sell "A1" and "Extra" at 75/- for 5 lb., "G" at £5 for 12½ lb. "OK" at £5 for 10 lb. Also Briccas concentrated H.C. and V.C. Perfumes, Gold Seal labels, Soluble Pine Oil, Bottles, Jars, etc.

Order NOW!

BRICCAS, 4 CAVENDISH PLACE,

OXFORD CIRCUS, LONDON, W.1



Order from your regular wholesaler

He uses Sharpex and gets a clean shave week after week from one blade. Widespread advertising is stimulating sales. Sharpex retails at 4/6 (inc. P.T.)

WARTIME *Pifco*
SHARPEX
RAZOR BLADE SHARPENER



Galjado

HAIR COLOUR RESTORER

For Grey or Faded Hair.

S. SIGAL & CO. LTD.

MANUFACTURERS OF EXCLUSIVE TOILET PREPARATIONS.

47 TABERNACLE ST., LONDON, E.C.2

"National" Dispensing Bottles

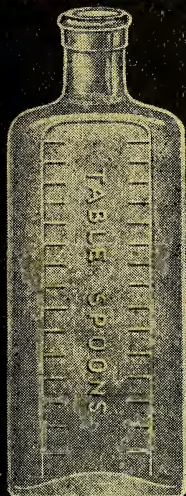
are Strong, Serviceable and Sure-sealing !

NEATLY PACKED IN 6 DOZEN
RETURNABLE CARTONS

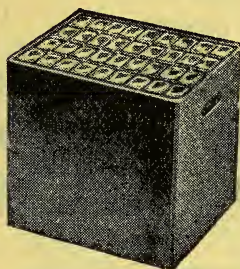
- ★ CONVENIENT IN SIZE
- ★ EASY TO HANDLE
- ★ UNIFORM IN QUALITY

ALSO . . . Cork mouth bottles
WASHED & PAPERED
Screw mouth Bottles
WASHED AND CAPPED

SCREW CAPS SUPPLIED in
WHITE-ENAMELLED METAL



A "NATIONAL" Production



Vials

of "NATIONAL" quality

Ranging in size $\frac{1}{2}$ oz. up to 3 oz.
Plain or teaspoon graduations
Medium and tall types

MANUFACTURED IN BEST QUALITY
WHITE FLINT, AND PACKED IN
RETURNABLE CARTONS



*Restrictions outside our control, may
not allow us to meet every requirement*

National Glass Works (York) Ltd.

Works: FISHERGATE, YORK
Telephone: York 3021

London Office: 105 HATTON GARDEN, E.C.1
Telephone: Holborn 2146

WHOLESALE ONLY

ENEMAS

Demand continues for the "Perfex" and "Satinetta." Recommended by Doctors and Nurses.

BREAST RELIEVERS

Ingram's "Omega" remains consistently popular. A sturdy job, designed in collaboration with Medical authorities.

AIR CUSHIONS

The "Atalanta" is strongly built, to stand up to years of hard wear. Specially made seams—no leakage possible.

*British
Made*

J. G. INGRAM & SON, LTD.

The London India Rubber Works, HACKNEY WICK, E.9.

ZEAL

Clinicals

**The Choice
of Experts**

**BRITISH
MADE**

**NO HIGHER
IN PRICE THAN
NONDISCRIPT
MAKES**

Also Household, Bath
and Works Thermometers,
the best of their kind

G. H. ZEAL LTD.
LOMBARD RD., MORDEN RD.,
LONDON, S.W.19

Phone: Liberty 2283-4-5



VELVEX

REGD. TRADE MARK

INTERLEAVED

Always the Best

TOILET PAPER

*Velvety texture • soft
strong • hygienic*

**A VELVET
PRODUCT**

VELVET CREPE
PAPER CO. LTD

TOILET PAPER
TISSUE
HANDKERCHIEFS

All our lines carry full profit margin

H O M E G R O W N D R U G S

Digitalis Folium

DIGITALIS PULVERATA

(Biologically Assayed & Adjusted)

Manufactured under strict
scientific control from
leaf grown on our own
Long Melford farms.

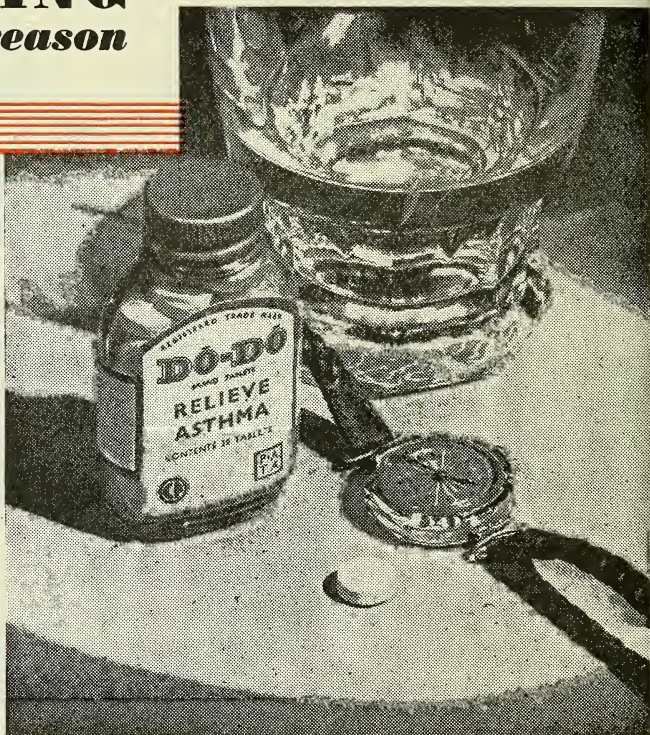


Stafford Allen & Sons Ltd.

STAFFORD ALLEN & SONS LTD. WHARF RD., LONDON, N.1. Phone: Clerkenwell 1000 (7 lines)

NOTHING

without reason



30 TABLETS

3/4½

TRIAL SIZE

7 FULL DOSES

1/1½

Prices include Purchase Tax

Nothing ever happens without reason. Do-Do Asthma Tablets give relief from spasm in 30 seconds, **because** they provide medicaments in a combination found in no other asthma remedy. Chemists recommend Do-Do Tablets **because** they know that the formula is so excellent. Do-Do has the highest sale of any Asthma Tablet in the world **because** to the satisfaction of the public is allied the goodwill of the Chemist.



INTERNATIONAL LABORATORIES LTD., CHARLBURY, OXFORD

P.A.T.A.

QUICK FREEZING



VACUUM

DEHYDRATION
and STORAGE

STABILITY

Several normally perishable biologic materials are now available as stable, portable 'Lyovac' preparations, created by Sharp & Dohme's lyophile technique; quick freezing followed by vacuum dehydration and storage under vacuum in rubber-stoppered, flame-sealed glass vials.

The stable, dried material may be rapidly restored to the liquid state, ready for instant use, by the addition of sterile, pyrogen-free distilled water provided with each 'Lyovac' product.

Sharp & Dohme's lyophile technique preserves unaltered the physical and chemical characteristics of biologic substances. A restored 'Lyovac' preparation possesses the curative value of the original fresh material at the time of its highest potency.

Sharp & Dohme, Ltd., Hoddesdon, Herts.

Trade Mark

'LYOVAC'

Brand

BIOLOGICALS

• "LYOVAC" ANTI-ANTHRAX SERUM

• "LYOVAC" ANTIMENINGOCOCCUS
SERUM POLYVALENT

• "LYOVAC" IMMUNE
GLOBULIN (HUMAN)

• "LYOVAC" GUINEA PIG
COMPLEMENT

A DEVELOPMENT OF SHARP & DOHME RESEARCH

WILLIAM MATHER, LIMITED
 DYER STREET, MANCHESTER. (Est. 1826)



ZINC OXIDE and RUBBER ADHESIVE PLAISTER
 ON SPOOLS
 POROUS PLAISTERS. ELASTIC PLAISTER
 BANDAGES
 ANTISEPTIC PLAISTER DRESSINGS, "CROCUS"
 CORN COMFORT, Etc.

FOR THE MANUFACTURER

**PLASTIC
 MOULDINGS**

made to specification

**RUBBER
 PRODUCTS**

of any description

**EFFICIENT
 DRYING
 PLANT**

for every purpose

ESCO (RUBBER) LTD.
 78-80 Stamford Hill, London, N.16

Telephone : Stamford Hill 2010

A name worth remembering
SATINO Toilet Paper
 (In Rolls or interleaved Sheets)
 The product of paper specialists of world renown
 and made from the finest thin, absorbent tissue
 paper now permitted. The interleaved sheets
 are SPECIALLY PROCESSED to give a tough but
 super soft finish.
 There is all the difference in
 QUANTITY and QUALITY

Satino
 SUPER SOFT
TOILET PAPER



SATINO is one of the famous FLORISTA
 brand of domestic paper products made by
 FREEDER BROTHERS PAPER MILLS
 50 Brimsdown, Enfield, Middlesex

**SURGICAL
 APPLIANCES**



**EXPERTS IN SPECIAL ARTI-
 CLES TO MEASURE.** Ladies
 and Gents **ABDOMINAL
 BELTS** for all purposes. **CHEST
 EXPANDING BRACES.** **SUS-
 PENSORY BANDAGES,** **ELAS-
 TIC HOSIERY** (seamed and
 seamless). **TRUSSES**
 (spring and elastic).



For all types of
 Hernia.



Wholesale Dealers in Medi-
 cal Glass, Surgical Dress-
 ings, Invalid and Nursing
 Requirements. Water and
 Air-proof goods. General
 sundries.

J. H. HAYWOOD LTD.

EST. 1830

11 WARSER GATE

NOTTINGHAM

'Phone: Nottingham 40488. 'Grams: "Appliance, Nottingham"

THE CHEMISTS' PRINTERS

FOR OVER SIXTY YEARS

THOMAS WAIDE & SONS, LTD.
KIRKSTALL HILL
LEEDS

Dentesive

THE NEW BETTER TYPE FIXATIVE
"Squeezed from a tube"



HOLDS FIRMER AND THREE TIMES LONGER
THAN ORDINARY FIXATIVES

Price 1/3d. per tube

Sole Distributors: DON S. MOMAND LTD.
10/15 CHITTY STREET, LONDON, W.1

PAY

AS-YOU EARN WAGES BOOKS

*Our new series of wages
books for use under the
"PAY AS YOU EARN"
Scheme is now ready.*

SEND FOR LIST No 2415

J.C.KING LTD

GOSWELL ROAD AND
246-252 ST JOHN STREET
LONDON. E.C.1.

PHONES:- CLERKENWELL 2316 (P.B.E)

Do YOU know THE LITTLE CHAP?



A remarkable Scientific Formula
produces this amazing NEW Cleaner

**Today's Best Cleaner is
Today's Best Seller**

Medium and large
sizes retailing at

1/- and 1/6

Terms on
application

"LITTLE CHAP" needs little introduction to your customers. They know this amazing new product as the stain remover that knocks spots off every other cleaner. Point out how it banishes stains and smears of grease, oil, paint, tar, without a trace, without discoloration or harm to delicate fabrics. Mention that it's non-inflammable, and non-evaporating—and so more economical. Then see how "LITTLE CHAP" ensures goodwill as well as good profits!

Made by
LONDON PHARMACEUTICAL LABORATORIES LTD.
24 THORNSETT ROAD, LONDON, S.W.18

THE
LITTLE CHAP
STAIN REMOVER

"WEBSTER'S"
STAINLESS STEELWARE

Specialists in modern equipment for manufacturers i.e., Funnels, Buckets, Jugs, Mixing Containers, Measures, Percolators, Bogies, etc., etc.

Suppliers of Stainless Steel utensils, at prices which enable the user to employ them in place of other metals as an economical proposition.

The use of Stainless Steel equipment, designed on modern principles, enables overhead costs to be reduced and makes for more convenient and better working conditions.

ISAAC WEBSTER & SONS, LTD.
ABBEY WORKS, KIRKSTALL, LEEDS, 5

Telephone: 51580 Headingley. Telegrams: Isaac Webster, Kirkstall.

Tintex DYES

have had unprecedented
success for home dyeing.

**MANY IMITATIONS
HAVE APPEARED WITH SIMILAR
PACKING AND SHADECARDS.**

TINTEX DYES are outstanding
in colour-value and quality.

Insist

that your packet dyes
are the genuine TINTEX.

TINTEX DYES - 245 Oxford Street, W.1

Everything for HOME DYEING

HEARTSEASE

Viola tricolor



Since **POTTER & CLARKE** ^{td} 1812

Growers & Importers of Herbs, Roots & Barks.

60-64 ARTILLERY LANE . LONDON E.1

and at 77 DANTZIC STREET, MANCHESTER 4

Telephone Bishopsgate 4761 (6 Lines) or Manchester... Blackfriars 8734

The Latest Triumph in OINTMENT MILLS

Super Speedy Mill

IN REGULAR USE ALL OVER THE WORLD

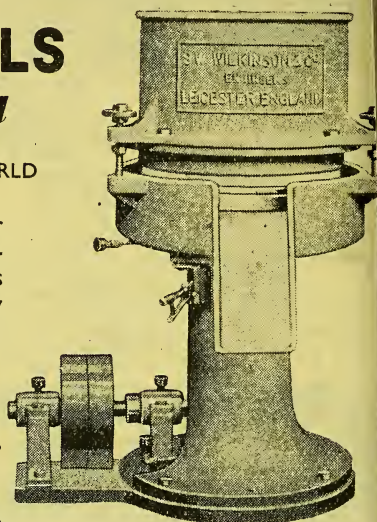
THIS Machine is a combined Mixer and Grinder and is used very successfully in the production of all kinds of Ointments, Tooth Pastes, Beauty Creams, Patent Foods, etc.

Each Machine incorporates Thirty Years' Accumulated Experience

S. W. WILKINSON & CO.

*Chemical Engineers and Specialists in
Pharmaceutical Machinery*

WESTERN ROAD - LEICESTER



"ZEMS" HERBAL LICORICE TABLETS

**THE BEST MEDICATED TABLET
FOR COUGHS, COLDS
ASTHMA, BRONCHITIS, ETC.**

*Supplies may be obtained from C.F.
Wholesale Houses*

ZEMS, LTD.
718-724 Seven Sisters Road, London, N.15

ORDERS and INDENTS invited from
DOMINION, COLONIAL and ALLIED IMPORTERS
W. H. JONES & CO. (LONDON) Ltd.
BUYERS and SHIPPERS

War-time Address:
RUSPER, BARNET, HERTS, ENGLAND

GLASSBLOWING

BENCH BLOWN

**LABORATORY AND INDUSTRIAL
GLASS APPARATUS. (Also REPAIRS)**

G. C. AIMER & CO. 56-8 ROCHESTER PLACE
CAMDEN RD., N.1
GUL. 3518

THE RELIABLE
Edosan
SAN TOWELS

EDOSAN LTD., 14/16 PEEL ROAD, LONDON, N.W.

LIVERPOOL SCHOOL OF PHARMACY

Preparation for the
Intermediate and Qualifying Examinations
of the Pharmaceutical Society.

Full particulars from:

H. HUMPHREYS JONES, F.I.C., F.C.S., Ph.C.
2 BLACKBURN PLACE, LIVERPOOL, 8

Now available in
40 units per c.c.

The important new modified insulin—GLOBIN INSULIN (with Zinc)—is now also available in a strength of 40 units per c.c. and is issued in phials of 5 c.c.

GLOBIN INSULIN

'Wellcome' (with Zinc)
brand

40 units per c.c., 5 c.c. 2/6d. 80 units per c.c., 5 c.c. 4/5d.



BURROUGHS WELLCOME & CO.

(The Wellcome Foundation Ltd.)

LONDON

Associated Houses : New York Sydney Cape Town Bombay Shanghai Buenos Aires

Practical Hormone Therapy

by oral, intramuscular and
percutaneous administration

Androgenic

PERANDREN (testosterone propionate)
Ampoules containing 5, 10 and 25 mg./c.cm.

PERANDREN OINTMENT (testosterone)
Containing 2 mg./g.

PERANDREN LINGUETS (methyltestosterone)
Containing 5 mg. for sublingual use.

Oestrogenic

OVOCYCLIN P (oestradiol dipropionate)
Ampoules containing 1 and 5 mg./c.cm.

OVOCYCLIN OINTMENT (oestradiol)
Containing 0.1 mg./g.

OVOCYCLIN LINGUETS (oestradiol)
Containing 0.04, 0.1 and 1 mg. for sublingual use.

Progestogenic

LUTOCYCLIN (progesterone)
Ampoules containing 2, 5 and 10 mg./c.cm.

LUTOCYCLIN LINGUETS
(anhydro-hydroxy-progesterone or ethisterone)
Containing 5 mg. for sublingual use.

Adrenal Cortical

PERCORTEN (desoxycorticosterone acetate)
Ampoules containing 5 and 10 mg./c.cm.

Supplies through usual channels.

Price list on request.



THE LABORATORIES, HORSHAM, SUSSEX.

Telephone: Horsham 1234.

Telegrams: Cibalabs, Horsham



The

CHEMIST AND DRUGGIST

For RETAILER — WHOLESALE — MANUFACTURER

Published Weekly at

28 ESSEX STREET, STRAND, LONDON, W.C.2

Telegrams: "Chemicus, Estrand, London"

Telephone: Central 6565 (10 lines)

Emergency Address:

17 ARGYLE STREET, BATH

Telephone: Bath 5492

CONTENTS

	Page		Page
Amendments to B.P.C.	432	Larger Hall Needed at Glasgow Meeting	445
Approved Names for Drugs	432	Legal Reports	434
Business Changes	435	Miscellaneous Inquiries	453
"C. & D." Quiz No. 26	446	My Post-war Dispensary	437
Coming Events	435	News of the Week	429
Company News	434	Pharmaceutical Society of Ireland:—	
Correspondence	454	Council Meeting	448
Deaths	436	Pharmacist M.P. on N.H.S. Proposals	447
Editorial Articles:—		P.-of-W. Discussion Group	436
Practical Research	443	Proprietary Articles Trade Association	440
Fluorine in Dentifrices	444	Topical Reflections	433
Essential Oils Control Scheme	446	Trade Marks	452
Examination Results	439	Trade Notes	435
Four Employees Speak at Sheffield . .	445	Trade Report	450

NEWS OF THE WEEK

Dublin Fire.—On March 25 an outbreak of fire occurred at the premises of C. W. Field, Ltd., manufacturing chemists, Crow Street, Dublin.

White Paper on Water Supplies.—The Minister of Health (Mr. H. U. Willink) informed Mrs. Wright on April 6 that it was intended that the White Paper on water (see *C. & D.*, April 8, p. 394) should be available at the first sitting day.

Summer-time Heating Restrictions.—Subscribers are reminded that between April 17 and October 31 in England and Wales and between May 8 and October 31 in Scotland it is prohibited to use fuel for heating shops, offices, places of entertainment and non-industrial establishments of all kinds, except under written permit. "Fuel" includes electricity.

Penicillin Manufacture.—The Minister of Supply (Sir Andrew Duncan) informed Major Lyons on April 6 that no licence was necessary for the manufacture of penicillin. He was in communication with the Member

on the subject of the number of firms now engaged in penicillin manufacture.

Twenty-one Years President.—Mr. Victor Blagden this year completes twenty-one years as president of The British Chemical and Dyestuffs Traders' Association, Ltd., and to mark the occasion the members of the Association are presenting him with his portrait in oils. The presentation will take place at the annual luncheon to be held in London on Tuesday, May 16.

Causes of Absenteeism.—The Industrial Health Research Board has drawn up a list of causes of absence from work and of excessive fatigue. Among the causes cited are increased hours of work, employment of women with home responsibilities, and black-out travel difficulties. Two conditions that need special attention are stated to be boredom and lack of a sense of urgency about the war. The report insists on the importance of suitable rest pauses.

Register of Orthoptists.—The fifth edition (1944) of the Orthoptists' Section of the National Register of Medical Auxiliary

Services has now been issued by the Board of Registration of Medical Auxiliaries, British Medical Association House, Tavistock Square, London, W.C.1. Orthoptists whose names are included in the Register have qualified according to a standard approved by the Board.

Shop Assistants' Union.—The general secretary of the National Amalgamated Union of Shop Assistants, Warehousemen and Clerks stated, at a conference held in London recently, that the post-war policy of the Union included equal pay for men and women shop assistants, the top rate to be reached at twenty-one years of age; a forty-hour week; and a minimum of two weeks' annual holiday with pay.

Enemy Traders' List Consolidated.—For the convenience of traders and others, the Board of Trade has published a new consolidating Order incorporating in one list the names of specified persons previously listed in five separate Orders. The title of the consolidating Order is the Trading with the Enemy (Specified Persons) (Amendment) (No. 4) Order, 1944 (S. R. & O., 1944, No. 399). Copies (price 4s. net) are available through booksellers or direct from H.M. Stationery Office.

Chemists' Payments under N.H.S.—The secretary of the East Cumberland Branch of the Pharmaceutical Society asks us to point out that the "average of about £425 per annum per pharmacist" mentioned in his report of a meeting of the East Cumberland Branch of the Pharmaceutical Society (see *C. & D.*, April 8, p. 391) as being the calculated dispensing fees payable to chemists under the basis foreshadowed in the White Paper, was intended to include drug costs also, and should therefore be taken to read "total payments."

Aberdeen Refresher Course.—A refresher course for pharmacists will commence in Robert Gordon's College, Aberdeen, on May 2, with an introductory lecture to all intending students. The course will probably be taken in two groups, meeting on Tuesday or Thursday evenings, but final arrangements will be made and a syllabus issued at the first meeting. The syllabus will include sterilisation; bacteriology; emulsifying agents; organic chemicals, including the sulphonamide group; vitamins, etc., and will include about 75 per cent. of practical work.

Censorship-permits Change.—The Postmaster-General announces additional restrictions on postings for overseas. A

censorship permit is now required for the dispatch by post from Great Britain and the Isle of Man to members of H.M. Forces (whether addressed to a Unit or to a private address), as well as to civilians in Northern Ireland and Gibraltar, of photographs, stamps, most kinds of printed matter, and all goods and commodities. No permit is required for trade circulars, catalogues, bills of account or lading, receipts; invoices and similar trade documents, provided they are not sent by parcel post.

Brighton Lecture on Night Vision.—A joint meeting of the Brighton and Hove Association of Pharmacy and the local branch of the Pharmaceutical Society was held in Brighton on March 28, when an instructive address on "Night Vision" was given by Mr. E. W. GODDING (research department, The Crookes Laboratories). Mr. DONALD W. HUDSON (president of the Association) introduced the speaker, who dealt with the mechanism and range of adaptation, special considerations affecting the phenomenon, basic requirements for testing adaptations, and causes of abnormality. Mr. EDGAR JONES expressed the thanks of the members.

Dried Bananas for Coeliac Patients.—An announcement from the Ministry of Food states that distribution of a small quantity of dried bananas to sufferers from coeliac disease (see *C. & D.*, March 25, p. 329) is being made under the auspices of the Red Cross and St. John War Organisation. The Organisation has undertaken to send supplies, free of charge, to (a) any patient who produces or has produced to his local food office satisfactory evidence that he is suffering from this complaint, or (b) hospitals at which such patients are being treated. Supplies are at the rate of 14 lb. per patient per month for three months for proved cases. Applications must be sent to the local food office and not to the distributing body.

White Paper on Research.—H.M. Stationery Office has recently published a White Paper (pp. 12, price 2d.) on "Scientific Research and Development," which was presented to Parliament by the Lord President of the Council. The paper deals with existing Government machinery for research; but, on security grounds, and because it is designed to provide a background for discussing post-war plans, does not cover research and development directed to war requirements. It describes the constitution and function of the Development Commission in aiding agriculture and

tural industries, and in the development and improvement of fisheries. The three committees of the Privy Council (for scientific and industrial research, medical research, and agricultural research) and the organisations working under them are reviewed, and the paper describes how some Government departments, faced with special problems, have their own research and development organisations or scientific advisers, and how grants are made for "fundamental" or "pure" research largely carried out at the universities.

Threatened Cocoa Shortage.—Mr. G. J. Harris (chairman of Rowntree & Co., Ltd.) stated recently that there was likely to be a world shortage of cocoa in the post-war period. The two causes were: (a) prevalence of the cocoa-tree diseases, swollen root and sheath-blight, and (b) apathy on the part of the African farmers brought about by unremunerative prices. Vigorous steps to deal with the situation were being taken by the Colonial Office, the British cocoa industry, and other interests affected by the shortage.

Container Control Revised.—The Minister of Supply has made a Control of Containers and Packaging (No. 1) (General) Order, 1944 (S. R. & O., 1944, No. 404), price 2d., which is in force from April 18, revoking and remaking existing orders in consolidated and re-arranged form, with amendments. The principal changes in the new Order and the Schedules are that the range of commodities of which the packaging is regulated has been extended; the re-use of used containers and holders is more strictly regulated; the use of certain container-sealers, such as rubber packaging-rings, stoppers and bungs, foil-faced wads, etc., is controlled; and detailed modifications have been made to certain sections in the revised British Standard Schedules. A provision in one of the revoked Orders prohibiting the use of black plate, tinplate, etc., in the manufacture of certain non-essential articles (e.g. advertising ash-trays and novelties) has been made the subject of a separate Order—the Control of Iron and Steel (No. 33) Order, 1944 (S. R. & O., 1944, No. 405), price one penny.

North Down Chemists' Dinner.—Forty-one members and guests of the North Down Chemists' Association attended a dinner and musical evening held in Bangor, co. Down, on March 29, Mr. S. H. Forrest presiding. The guests included Messrs. A. Malcolmson (president, Newtownards Chamber of Trade); H. P. Crossin (president,

Ulster Chemists' Association); James McClenahan (secretary, U.C.A.); J. W. Sandford, Larne; John Hall (immediate past-president, East Antrim Pharmacists' Association); and E. A. Poots (secretary, E.A.P.A.). Mr. H. P. Crossin, responding to the toast of the Ulster Chemists' Association, expressed appreciation of the co-operation which existed between the North Down Association and the Ulster Chemists' Association. Mr. Sandford replied to the toast "The East Antrim Pharmacists' Association," and Mr. Malcolmson to the toast "Our Guests." A musical programme was contributed by the Misses Betty and Peggy McClelland (songs and duets), accompanied by Mrs. W. J. C. McQuitty, Miss Aline Moore (humorous recitations) and Mr. James McClenahan (songs). The new President (Mr. S. H. Forrest) was elected at the annual meeting held recently. Mr. A. S. Fyffe was elected *Vice-president*. The *Secretary* (Mr. R. Hall) and *Treasurer* (Mr. R. McCutcheon) were re-elected.

Tar Distillers' Association.—At the annual meeting of the Association of Tar Distillers recently, the following officers and committee were elected:—*President*, Mr. C. E. Carey (South Metropolitan Gas Co.); *Vice-president*, Mr. S. Billbrough (Yorkshire Tar Distillers, Ltd.); *Treasurer*, Captain C. W. Harriss (Burt, Boulton & Hayward, Ltd.); *Auditor*, Mr. E. Hardman (E. Hardman, Son & Co., Ltd.); *Executive Committee*, Messrs. S. Hilton, J. Simpson, J. Colligon, W. A. Walmsley, C. Lord, C. A. Murray, S. Billbrough, A. Bradbury, R. B. Robinson, W. H. Phillips, J. H. Oliver, Major A. G. Saunders, H. H. Bates, T. H. Butler, Charles H. Bird, C. F. Dutton, and E. Hardman, with the president, vice-president and past-presidents. The annual report stated that during 1943 policy and organisation of research subcommittees, and a Joint Committee with the Ministry of Fuel and Power had been formed. The national transport committee had had under investigation the problems of transport under war conditions, with particular reference to efficient working of rail tank wagons. The tar fuels technical subcommittee had approved the text of a book on "Coal-tar Fuels," which would be published in the course of two or three months. The extraction of tar acids and production of phenol had been developed through the co-operation of the industry with the Controller, to such an extent that at the conclusion of the period under review production was at least temporarily in excess of essential plus permitted usage.

APPROVED NAMES FOR DRUGS

THE General Medical Council has accepted for addition to the list of approved names, on the recommendation of the British Pharmacopœia Commission, the following names for substances produced by British manufacturers, in some instances under licence granted by the Comptroller-General of Patents, Designs and Trade Marks. The question of including these substances in the British Pharmacopœia is under consideration. If any of them is included, the intention is that the approved name shall become its official title, but recognition of an approved name does not imply that the substance will necessarily be admitted to the Pharmacopœia. The substances have hitherto been known under other names, which are also given below.

General Adoption Desired

Since the intention is to give recognition to non-proprietary names, which may be used freely by manufacturers, and thus to avoid the difficulties which arise from the multiplication of names for the same substance, it is hoped that the approved names will be generally adopted. The introduction of new names for substances for which pharmacopœial names or approved names are available is especially deprecated, and if a manufacturer desires to issue under a proprietary name a drug for which an approved name has been provided, it is strongly urged that a label should bear the approved name of the substance in letters no less conspicuous than those in which the proprietary name is printed or written.

APPROVED NAME	OTHER NAMES
Desoxycortone acetate	Δ^4 -pregnene-21-ol-3:20-dione acetate. Desoxycorticosterone acetate.
Dicoumarol	3:3'-methylene-bis-(4-hydroxycoumarin)
Dimethylstilbamidine	4:4'-diamidino- α : β -dimethylstilbene.
Pentamidine	Diamidinodiphenoxypentane.
Propamidine	Diamidinophenoxypentane.
Stilbamidine	Diaminostilbene.
Sulphadimethylpyrimidine	2-(4-aminobenzenesulphonylamino)-4:6-dimethylpyrimidine. Sulphamezathine.
Thiomersalate	Sodium ethylmercurithiosalicylate. Merthiolate.

Names Now Made Official

The following names, originally published as approved names, have now been made official by inclusion of monographs in the Sixth Addendum to the British Pharmacopœia, 1932.

OFFICIAL NAME	OTHER NAMES
Dithranol	1:8-dihydroxyanthracene. Cignolin.
Menaphthone	2-methyl-1:4-naphthoquinone. Menadione U.S.P. XII.

AMENDMENTS TO B.P.C.

A RECOMMENDATION by the Codex Revision Committee of the Pharmaceutical Society that certain requirements of the Supplement to the British Pharmaceutical Codex, 1932, should be amended, was approved at the Council meeting held on April 5 (the information was not received in time for inclusion in last week's issue, p. 413). The amendments relate to the glycerin content of several preparations in which glycerin was originally included on account of its therapeutic value or for its action as a preservative or stabilising agent:—

ELIXIR ÆTHYLMORPHINÆ ET TERPINI (see Supplement 2, p. 2).—Delete the instruction to replace the glycerin by distilled water, and insert "in making this preparation the glycerin may be replaced by distilled water."

ELIXIR DIAMORPHINÆ ET PINI COMPOSITUM (see Supplement 2, p. 2).—Delete the instruction to omit the glycerin, and insert "in making this preparation the glycerin may be omitted."

ELIXIR DIAMORPHINÆ ET TERPINI (see Supplement 2, p. 2).—Delete the instruction to replace the glycerin by distilled water and insert "in making this preparation the glycerin may be replaced by distilled water."

ELIXIR DIAMORPHINÆ ET TERPINI CUM APOMORPHINA (see Supplement 2, p. 2).—Delete the instruction to replace the glycerin by distilled water, and insert "in making this preparation the glycerin may be replaced by distilled water."

GLYCERINUM THYMOLIS COMPOSITUM (see Supplement 2, p. 8).—Delete the instruction to reduce the glycerin, and insert "in making this preparation the glycerin may be reduced to 20 millilitres or 192 minims."

SYRUPUS GLYCEROPHOSPHATIBUS COMPOSITUM (see Supplement 2, p. 27).—Delete the instruction to omit the glycerin, and insert "in making this preparation the glycerin may be omitted."

TOPICAL REFLECTIONS

Metric Weights and Measures

Strong pressure by instructed public opinion will be required before the metric system can become the primary instead of the secondary standard for weights and measures in the United Kingdom (p. 419). This aspect of an important subject may be said to date from 1790, in which year the British Government declined a request that the Royal Society should co-operate with the French Académie des Sciences in devising a system based on a natural constant. The new system was legalised in France in 1799; the question of introducing it into this country was first raised in the House of Commons in 1816, when a motion for comparing the standard yard with the standard metre was carried. In 1844 Professor W. H. Miller visited Paris at the request of the Standards Commission, and after many calculations decided that the kilogram was equal to 15,432.34874 grains and the pound to 453.5926525 grams. In 1898 the Schedule to an Order in Council slightly varied his figures after fresh determinations. These and similar activities involved an enormous amount of careful comparison of trial standards. For example, the work of the French scientists who measured an arc of the meridian, beginning at Dunkirk and ending at Barcelona, occupied seven years; four potential metres of brass were then constructed, and on the one selected two metres of platinum and twelve of iron were based. Comparisons and corrections were continued until differences of less than 0.001 millimetre at the temperature of melting ice were obtained.

Slow Motion

The French Government enforced the system more stringently in 1837; thirty-five years later, fifty delegates from twenty-nine countries, including Great Britain, attended the first meeting in Paris of the International Metric Commission. Meanwhile, in 1864, the British Government had gone so far as to pass a Metric Weights and Measures Act: this, however, was repealed by the Weights and Measures Act of 1878, although a table of metric equivalents of imperial weights and measures formed the Third Schedule to that Act. In 1894 a Select Committee of the House of Commons recommended that the use of the metric system be made compulsory in the United Kingdom after two years. The British Government had joined the Metric Convention in 1884: as a result, the Board of

Trade received a new standard kilogram and a new standard metre. In the construction and testing of these standards, sixteen men of science took part. A cental "or new hundredweight" was legalised by Order in Council in 1879, and a half-cental by the same means in 1903. The practical point that emerges from this very brief summary of events is that the British Government, like the British public, seems hardly to know its own mind. Those of your readers who are anxious to see the use of the metric system extended to commerce can do something to promote the change by using the system more consistently in their own spheres. The thermometric scale of Fahrenheit, for instance, could be abolished in shops, offices and houses in favour of the simpler centigrade scale.

Another N.H.S. Plan

The interesting article entitled "My Scheme for a Pharmaceutical Service" (p. 424) serves a useful purpose by broadening the basis of discussion of National Health Service schemes. When the author tells us that he (or she) visualises "something completely different" from "a pharmacy as part of a national medical scheme," we wish to ascertain in what the difference consists. Like the promoters of the "Cambridge" plan, your contributor envisages a central dépôt for each district of a stated size, estimated in the article as "every 250,000 population." Certain differences between the two plans are evident. (The term "Central Medical Hall," by the way, is not likely to obtain general acceptance in this country.) The pharmacy in the "Medical Hall" will, we read, "be self-contained, and under the complete control of a pharmacist (not a doctor)." So far, good; but the internal arrangements of the establishments include some that are debatable. One is the provision of unqualified dispensers in the proportion of two for every qualified one; another is the introduction of "a proportionate number" of apprentices. The proposed "Hall" being a professional institution for a specific purpose, it seems incongruous to dilute the professional staff in either of these ways. If, at the inception of a National Health Service scheme, the number of qualified persons available is found to be insufficient for the work, a few unqualified assistants to them might be permitted as an expedient, but, I suggest, with a time limit.

Xrayer

LEGAL REPORTS

Summons Restored to List.—A summons against Leslie Martyn, Ltd., 34 Dalston Lane, Hackney, London, E.8, which was adjourned *sine die* on November 11, 1943 (see *C. & D.*, 1943, II. 574), was resumed on April 14. The charge was one of unlawfully taking part in the publication of an advertisement relating to Blanchard's 'female pills' in terms alleged to be calculated to lead to the use of the pills for procuring the miscarriage of women. For the defence it had been stated that the wording of the advertisement was adopted on the advice of eminent counsel, now a King's Bench Judge. The defendants were prepared to eliminate the words complained of and to submit a copy of the pamphlet to the Pharmaceutical Society for its further comments, and it was on this understanding that the summons had been adjourned *sine die*. It was now stated on behalf of the Pharmaceutical Society that the Society did not feel it could be a party to approving a form of trade advertisement in the manner described, and for this reason the summons had been restored to the list for the Court to make a decision. The prosecution said they would be satisfied if the summons were dismissed under the Probation of Offenders' Act. Defending counsel stated that the defendants were agreed that the form of the advertisement should be altered. He did not propose to call evidence. In fact, the managing director of the company, who would have been a material witness, had died suddenly within a few weeks of the previous hearing. Agreement had been reached with the prosecution on costs. The magistrate dismissed the summons under the Probation of Offenders' Act.

Objection to Company Title.—In the Chancery Division, London, on April 18, Howard & Sons, Ltd., Ilford, applied for an injunction to restrain Howards Malted Milk, Ltd., Regent Street, London, from carrying on business under that title, or any other name colourably resembling that of the plaintiffs, or from otherwise carrying on business under any name calculated to produce the belief that their business was associated with the plaintiffs. They also sought to restrain defendants from infringing their registered trade marks. For the plaintiffs it was argued that they were manufacturing chemists who had acquired a business of the same name founded in 1797. The defendant company was formed in April 1943, with a capital of £100; of all the names to choose from they selected

Howards Malted Milk, Ltd. Malted milk was not made by the plaintiffs, but was sold by people who also sold plaintiffs' products, and confusion would be inevitable. Plaintiffs also owned trade marks containing the name Howard or Howards. Defendants were threatening to carry on business under the name Howards Malted Milk, Ltd., although, so far as plaintiffs knew, they had not yet sold any goods. Mr. Justice Morton, who gave judgment, said plaintiffs had not pleaded sufficient facts to justify an injunction to restrain infringement of trade marks, but he would grant an injunction restraining defendants from carrying on business under the name complained of.

COMPANY NEWS

YOUNGS' OF NANTWICH, LTD. (P.C.).—Capital £3,500. Chemists, opticians, etc. Harold S. Young, M.P.S., Mrs. Dora M. Young, and Robert Young, M.P.S., directors. R.O.: 52 High Street, Nantwich.

A. W. BROOK, LTD. (P.C.).—Capital £12,000. To acquire the business of chemical and drysaltery manufacturers carried on at Leicester as A. W. Brook by Charles L. and Harry R. Brook. C. L. and H. R. Brook, directors.

NUTFIELD MANUFACTURING CO. (P.C.).—Capital £10,000. To acquire the business of a chemical and sulphuric acid manufacturer carried on by Frank Stubbs, Kingsmill Works, S. Nutfield, Surrey. Frank Stubbs, Mrs. Lily Eccles, Tom A. Eccles, and Alfred G. Mayhew, directors.

IMPERIAL CHEMICAL INDUSTRIES LTD.—Directors recommend a final dividend on ordinary stock of 7 per cent. actual. With the interim dividend of 3 per cent., this makes 8 per cent. for the year 1943 (same as in 1942), less tax. The net income for 1943, after providing for taxation and £2,500,000 (same as in 1942) for the central obsolescence and depreciation fund, amounts to £6,685,345, against £6,499,859 in 1942.

SAVORY & MOORE, LTD.—Directors propose to redeem £261,964, the outstanding amount of 5 per cent. first mortgage debenture stock, and to arrange for redemption of 6½ per cent. redeemable preference shares of Pharmaceutical Products, Ltd., which are guaranteed by Savory & Moore, Ltd. It is also planned to increase the authorised share capital to £900,000 by the creation of 440,000 5½ per cent. first redeemable cumulative £1 preference shares. The proposals will come before shareholders at meetings to be held on April 24.

TRADE NOTES

Concentrated Insecticide.—Flyol concentrated insecticide is stated by the makers, Fubex, Ltd., Kingston-on-Thames, to be selling faster than they can supply it.

Price List.—Wright, Layman & Umney, Ltd., London, S.E.1, have issued a new rug list. Copies may be obtained on application, accompanied by a penny stamp.

Insect Powder.—Rodmill Chemical Co., Ltd., Liverpool, 7, direct attention in this sue to their product Tick insect powder for destroying beetles, cockroaches, ants, etc. Terms are given.

Chemi-Synthetics, Ltd., London, E. 14, are manufacturers of bromisovalerianylurea, valeric acid derivatives, succinic anhydride, synthetic organic products, pharmaceutical chemicals, and intermediates. An announcement appears in this issue.

New Price List.—Evans Sons Lescher & Webb, Ltd., Liverpool, have issued a new edition of their wholesale price list (A). In addition to the usual drug and chemical prices, the list includes comprehensive information on biological, veterinary and medical products. Under the paper control restrictions one penny must be sent by each person writing-in for a copy of the list.

War-time Tonic Tablets.—Under war conditions, there has been a noteworthy demand for a tonic preparation useful in overcoming depression, listlessness and nervousness. To meet this demand, Thompson & Capper, Wholesale, Ltd., Liverpool, 9, have introduced Quinphos brand war-time tonic tablets. The new speciality is issued in two sizes. Full particulars will be given by the makers on request.

Proteolysed Liver.—Allen & Hanburys, Ltd., London, E.2, announce that supplies of proteolysed liver, A. & H., are now available for the oral treatment of patients suffering from pernicious or other megalocytic anæmias. The preparation has a pleasant flavour and may be administered by dissolving in soup or warm water, 1 oz. of proteolysed liver, A. & H., being equivalent to 8 oz. fresh liver. The product is available in 4-oz. and 8-oz. containers, and is not subject to purchase tax.

Stable Biological Materials.—Sharp & Dohme, Ltd., Hoddesdon, Herts, announce that several normally-perishable biological materials are now available as stable, portable preparations in the Lyovac series of the company's preparations. They are prepared by the "lyophile" technique:

quick freezing, followed by vacuum dehydration and storage under vacuum in rubber-stoppered, flame-sealed glass vials. The stable, dried material is rapidly made ready for instant use by the addition of sterile, pyrogen-free distilled water which is provided with each Lyovac product.

Business Changes

BODY'S PHARMACIES, LTD., have reopened their branch at 174 Leigh Road, Leigh-on-Sea.

MR. W. A. PALMER, M.P.S., has taken over the business of the late Mr. E. Withers, M.P.S., 9 Market Street, Faversham, Kent.

GALE & MOUNT, LTD. (chemicals and essential oils), have removed to 28 Pont Street, London, S.W.1. Telephones: Kensington 4477-79.

COMING EVENTS

Sunday, April 23

MANCHESTER PHARMACEUTICAL ASSOCIATION. Ramble round Hayfield. Meet London Road Station, 9.30 a.m. Book Hayfield return.

Monday, April 24

FOOD EDUCATION SOCIETY, Conference Hall, London School of Hygiene and Tropical Medicine, Keppel Street, Gower Street, London, W.C.1, at 3 p.m. Sir Norman Bennett on "Food and the Teeth."

Tuesday, April 25

WEST HAM AND EASTERN DISTRICT ASSOCIATION OF PHARMACISTS, Church Institute, 27 Romford Road, London, E.15, at 7.45 p.m. Annual meeting.

YORK SECTION, BRITISH ASSOCIATION OF CHEMISTS, St. William's College, York, at 6.30 p.m. Annual meeting.

MANCHESTER PHARMACEUTICAL ASSOCIATION BRANCH, Onward Hall, Deansgate, Manchester, at 7.45 p.m. Annual meeting. Discussion on "The White Paper," introduced by Mr. W. E. Phillipson.

Thursday, April 27

NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, 17 Bloomsbury Square, London, W.C.1, at 6.30 p.m. Annual meeting.

NORTH-EAST SECTION, BRITISH ASSOCIATION OF CHEMISTS, County Hotel, Newcastle-on-Tyne, at 7 p.m. Annual meeting.

Saturday, April 29

NOTTS AND DERBY SECTION, BRITISH ASSOCIATION OF CHEMISTS, Midland Hotel, Derby, at 7.15 p.m. Annual meeting.

DEATHS

HAMPTON.—On April 7, the wife of Mr. G. Hampton, M.P.S., 66 Elmtree Avenue, Lime Tree Park, Coventry, aged seventy-five.

HORSLEY.—On April 9, Mr. Edward Smallbrook Horsley, M.P.S., 45 Station Road, West Drayton, Middlesex, aged seventy-eight.

JONES.—On April 4, Mr. David Jones, M.P.S., 9 College Green, Towyn, Merioneth, aged seventy-six. Mr. Jones was a former member and past-chairman of the Towyn urban district council, and was prominently associated with many local activities. He had been in business in Towyn for fifty years.

LEECH.—On March 31, Mr. Charles Richard Leech, M.P.S., 118 Barton Street, Gloucester, aged seventy-six.

MORRIS.—On April 6, after a short illness, Mr. J. T. Morris, M.P.S., manager for Boots, Ltd., 29 Borough Road, Burton-on-Trent, aged fifty-eight. Mr. Morris joined the company in July 1904, and was appointed manager of the Burton branch in March 1914. He leaves a widow and four daughters.

PEARSON.—Recently, Mr. James H. Pearson, Leamington Road, Blackburn, a founder and former director of W. Meadowcroft & Son, Ltd., essence manufacturers and aerated water engineers, Regent Street, Blackburn.

PENNINGTON.—On March 26, Mr. John Richard Pennington, M.P.S., Rotherham Road, Thurcroft, Yorks, aged seventy-nine.

PHILLIPS.—In the London Hospital, on April 8, Mr. Percy Bernard Phillips, Ph.C., a director of P. B. Phillips (Chemists), Ltd., 608 Bank Chambers, High Holborn, London, W.C.1, aged fifty-five.

SLOPER.—On active service during April, Flight-Lieutenant John L. Sloper, D.F.C., R.A.F.V.R., only son of Mr. L. Sloper, M.P.S., 401 Wimborne Road, Bournemouth, Hants.

WINFREY.—On April 18, Sir Richard Winfrey, J.P., Castor House, nr. Peterborough, aged eighty-six. Sir Richard Winfrey, who was a Member of Parliament from 1906 to 1924, qualified as a chemist and druggist in 1879 and as a pharmaceutical chemist in 1880. In 1925 he contributed a series of articles to the *C. & D.* in which he described his early experiences in pharmacy. He served a four years' apprenticeship to Mr. Rees, Red Lion Square, Stamford, Lincs,

and from 1877 to 1879 was an assistant to Mr. John Newcome, Grantham. In 1879 he joined Dr. Muter's South London College of Pharmacy. He entered John Bell & Co.'s establishment in London in April 1881, remaining there for four-and-a-half years. In 1897 he married the widow of his old friend the late Mr. H. H. Millhouse, a partner in the old-established chemist's business of Kingsford & Co., Piccadilly, London.

P. of W. DISCUSSION GROUP

FIVE British and three Canadian pharmacists in captivity together at prisoners-of-war camp Oflag VIIIB have united to form a pharmaceutical discussion group (see *C. & D.*, April 15, p. 414). The following letter, sent by the secretary (Captain E. B. McCorkell) to the secretary of the Pharmaceutical Society of Great Britain, describes the scope of the venture.

The below-mentioned chemists and druggists of the British Empire have come together at Oflag VIIIB to carry on a pharmaceutical discussion group first started at Oflag VIB. Our object is to bring ourselves back into contact with the spirit of pharmacy and broaden our outlook by a co-operative discussion and a pooling of knowledge.

Great Britain

- S. W. Hows, Ph.C., Sergeant, R.A.M.C., Ivy Cottage, Ravensthorpe, Northampton.
- A. F. MacIntosh, M.P.S., Captain, R.A.S.C., Craig Chattan, Viewlands Road, Perth.
- A. R. Stewart, M.P.S., Captain, R.A.S.C., 12 Main Street, Perth.
- J. T. Whannell, M.P.S., Sergeant, R.A.M.C., 100 Carnwadrig Road, Thornliebank, Glasgow.
- J. T. Young, Ph.C., A.I.C., Captain, R.A.O.C., 188 Grange Road, King's Heath, Birmingham, 14.

Canada

- J. H. Dunlap, Lic. Pharm., Lieutenant, Stettler, Alberta.
- T. R. Cornett, B.Sc. (Pharm.), Lieutenant, Red Deer, Alberta.
- E. B. McCorkell, Pharm.B., Lic. Pharm., Captain, Windsor, Ontario.

The group has elected an executive of two (chairman, Captain J. T. Young, England; secretary, Captain E. B. McCorkell, Canada). We plan to work on a monthly agenda, with three nights of lectures and talks, and one night of revision and discussion. Our first month's programme is entitled "The Status of Pharmacy," and will be dealt with under three headings, Past, Present and Future from the British and Canadian viewpoints.

Paper-based Plastics.—Waste paper is used in large quantities in the production of paper-based plastics for electrical equipment for aircraft, and for thousands of other war materials. It is saving the use of wood and steel required for other purposes.

MY POST-WAR DISPENSARY

by Spencer Wells

THE discussion there has been of late on dispensary equipment set me thinking of the kind of dispensary I would have, assuming I had adequate finance. I have put the results of my pipe-dream on paper, and they may help to stimulate further discussion on a very interesting and decidedly important topic.

Set Apart and Simply Arranged

First, the dispensary would be away from the shop. Customers who poke their heads over the dispensing screen, or round the corner, are a distraction and a potential menace to accuracy. In the pharmacy proper there is a reception counter at which the prescriptions are handed in; the dispensary is set back from the counter. It is sufficiently detached from the shop to ensure privacy, but the whole front wall, above a level of 6 ft., consists of a plate-glass panel carrying the word "Prescriptions," and a motif such as a mortar and pestle. As can be seen from the drawings, the dispensary is a room intended for the dispensing of medicines and for medical contacts only. The main room for storage of drugs and for manufacturing is immediately adjacent to the dispensary, but separate from it. The dispensary of the plan is designed for two dispensers only; each has a counter, and complete equipment of his own. The two dispensing counters face the shop, which is reached through a space between them.

Simplicity, efficiency and cleanliness are the keynotes. The place is of simple design—it looks efficient, it looks clean, and it should be easy to keep clean. There are no shelves more than 6 ft. 6 in. high, so there is no need to have steps cluttering up the place. Items on the top shelves can easily be reached by a person of average height. Everything is easily accessible. The colour scheme throughout is cream: Cream walls, shelves and cupboards; dado and ceiling off white; and floor a deeper shade of cream, say biscuit colour. The place is centrally heated, and the dispensary is fitted with concealed strip lighting around the four walls and along the top shelves of the two dispensing counters. By the way, there are no "shop rounds" in the shop. The dispensary is self-contained, and there is no need for the dispenser to go marching into the shop for anything he requires; everything is to hand.

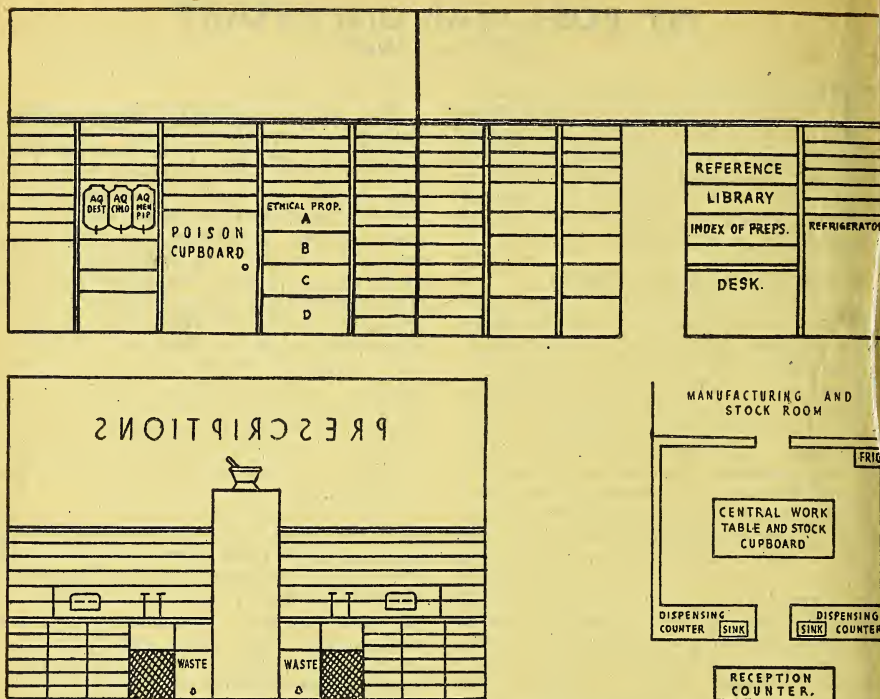
Light and Roomy

The walls and shelves are of cream-coloured glass. (Glass, in assorted shades, can be obtained in thicknesses of up to one inch; it is widely used for facias and, in a dispensary, would make a much more effective material than tiles, inasmuch as the glass can be obtained in large slabs, and can be made to measure. Certain brands of heavy glass, too, are unbreakable. The smooth faces of long slabs of coloured glass make an effective material for a dispensary). The shelves are all built-in and recessed, with no square corners anywhere. Where the floor makes an angle with the wall the angle is filled in to form a rounded union, for where there are no "corners" there is no harbouring of dust. All shelves in the dispensary are treated in the same way.

The dispensing counters are 8 ft. long and 2 ft. deep, and the shelves carry an arrangement of the more commonly used drugs and solutions. Each dispensing counter has a sink with hot and cold water laid on. The sink is not large, but is made of stainless steel. Over each sink is a draining rack for measures, and the dispensing screen is naturally fitted with gas jet for sealing wax. The actual dispensing counter is in heavy rubber. Though rubber is not 100 per cent. impervious, it is more so than wood, and much easier to keep clean. The dispensary floor is of rubber, too—the heavy, hard-wearing rubber used in cinema foyers. On the dispensing counter there is a desk with slide drawer for labels. The labels, by the way, would not have printed directions, nor would these be typed on—a handwritten label has, to my mind, a much more personal and professional appearance. An efficient label damper is on the desk. The drawers of the dispensing counters carry only necessities for dispensing: Corks, wrapping paper, ointment boxes and pots, tablet boxes and bottles, cachet boxes, etc., plus small equipment such as suppository moulds, powder folders, palette knives, etc. One cupboard holds the larger equipment: Pill machines, mortars, pestles, filters, etc.

Easy to Keep Clean

Untidiness in the average dispensary is principally occasioned by the act of removing labels from once-used bottles. Whether they are scraped or soaked off, there always seem traces of them about the place. In



Above: Elevation of side and rear of dispensary. Below: Elevation of dispensary front, from within.
Plan of dispensary (reduced scale).

my ideal dispensary a clean bottle is used every time. Under the sink is a large wire basket, and adjacent to this is a fitted, pedal-operated waste bin. Corks and waste paper are put in the bin, and dirty bottles in the wire basket, which is constructed to fit into a deep sink in the porters' room, so that when the basket becomes filled with dirty bottles it is only necessary to remove it bodily and replace it with an empty basket. The full basket is put in its special sink, the hot water turned on, and the porter set to work on the job of cleaning. Finally, there is a heated towel rail along the edge of the counter in front of the sink. Before passing on from the dispensing counter, a word about the dispensing balance. Shops being what they are, dust is always about, and I have never been really happy about open dispensing balances, while a standard balance in a glass case is too cumbersome and tedious in operation. I once saw an illustration in an American drug magazine of a covered-in dispensing balance which looked interest-

ing; it was of clear glass, a low model, with cover hinged on, and looked very neat.

To the side of the dispensing counter are aq. chlorof., aq. menth. pip. and aq. dest. in 2-gall. glass jars fitted with tap. On shelves above these are stock solutions, and the bottom shelf is given over to prescription books. The same arrangements are made on each wall for each dispenser. The D.D.A. cupboard needs no explanation. The poisons cupboard has rows of shelves for drugs in the Pharmacopœia, and an arrangement of compartments for preparations of the various "ethical" manufacturers. Along the walls, next to the D.D.A. and poisons cupboards, are drawers for stocking the ethical products, each drawer normally given over to the products of one maker and labelled accordingly. The drawers do not extend to the full height of the fittings, as this would render it impossible to see anything in the top drawers without using a ladder. The upper portion is given over to more dispensing rounds. It may be true that one drawer

would not be sufficient to hold the stocks that have to be carried of some of the ethical products, but the dispensary is not intended to be a warehouse; it carries only a small quantity of any one item. The refrigerator stands in one corner, and is used to house all the stocks of sera and vaccines. The far wall is taken over by more shelves of dispensing rounds and ointment pots, except for one portion allotted to the pharmaceutical and scientific library, and to an index of ethical products. These are over a desk with easy chair intended for the use of visiting doctors.

Well Stocked with Literature

The provision for advertisers' literature is a strong point. I keep an index of all such "ethical" literature, and find it extremely useful, both for my own information, and in assisting doctors. But what a clumsy, cumbersome, unsightly index it is! The manufacturers issue literature (in peace-time) in all sorts of shapes and sizes, from small cards of individual products to leaflets embracing three or four different products, and on to thick catalogues giving brief information about a whole range. A lot of the literature sent out is remarkable for the absence of any indication about what the patient or the doctor has to pay for the preparation prescribed. If any manufacturers concerned read these words will they please take note? Why do not the various firms co-operate on this problem? If they sent their literature out on cards, about 9 in. by 5 in. or even less, using one card per product, giving all relevant details, including price, pharmacies could keep them all neatly filed, ready to hand, and up to date. Pharmacists, doctors, and the manufacturers themselves would all benefit. Professional life is far too complicated, and simplification and unification wherever possible would be a great advantage.

In the centre of the dispensary is a large stock cupboard and work-table combined. The table is wired for power and fitted with points for gas. The front half, nearest the dispensers, is for the stock of washed dispensing bottles, each size in separate drop-door lockers. The two sides are for stock tablets and pills, and the back is used for large equipment (hand emulsifier, Buchner filters, hot plate, powder-sifters, etc.) and to house, say, the pill ingredients and miscellaneous tablets. It will probably be argued that a dispensary of the size suggested could not accommodate everything necessary in the daily job of dispens-

ing. I think it would—for this reason. The dispensing rounds would be much smaller than are normally found, and there would be more of them. For all drugs where the average amount dispensed is, say, 160 minims, an 8-oz. bottle is quite large enough for the dispensary. Of course, there would be some one-pint dispensing rounds in my dispensary (inf. gent. co., syr. glycerophos. co., etc.) but much economy of space could be effected by cutting down the size of many others. With low fittings, this dispensary would tend to look bare to people inside the shop, so I would have large decorative specie jars, old mortars and pestles, etc., arranged around the top shelf. There is no provision in this dispensary for surgical dressings, small surgical instruments, or winchesters of any item, but the omission is intentional.

EXAMINATION RESULTS

THE following candidates satisfied the examiners in the Chemist and Druggist examination held in London in April:—

Bagshaw, D. H., Dudley
Blay, E. R., Coventry
Booth, C. J. H., Sheffield
Boulter, L., Sheffield
Foulkes, Amy N., Birmingham
Goodchild, D. C., Palmer's Green
Gwynne, J. C., Port Talbot
John, T. L., Neath
Jones, Sarah, Brynamman
Lewis, J. C., Bardsley
Mehegan, R. J., Cardiff
Palto, M., Llanelly
Rees, D. G., Blackwood
Snelling, Peter, Lowestoft
Trenberth, Gordon, Treherbert
Walker, H. G., Lowestoft

The following candidates were successful in the examination held in Scotland in April:—

Campbell, Rose, Uddingston
Cardosi, F. C., Dundee
Curry, Mary, Oldham
Douglas, A. J., Leeds
Jones, Kathleen A., Halifax
Kydd, G. C. W., Broughty Ferry
Richards, W. H., Wigtown
Royce, Donald, Normanton
Varley, Frances M., Whitley Bay
Vincent, Margaret W., Newcastle-on-Tyne
Whatmough, Eva, Manchester

The following candidates have satisfied the examiners in the examination for the diploma in biochemical analysis:—

Allen, Dorothy M.; Crawford, R. A.; Frenkel Aurelia; Fullarton, A. C.; Hudson, Mary E.; McWilliam, Alexander; Rees, Elfyn; Sen Gupta, A.; Stephenson, W.; Stewart, Jean; Taylor, D. V.; Wallace, A. G.; Weeks, G. W.

PROPRIETARY ARTICLES TRADE ASSOCIATION

THE forty-eighth annual meeting of members of the Proprietary Articles Trade Association was held in London on April 13, the president (Mr. P. G. Hunt) in the chair. THE PRESIDENT moved adoption of the annual report and financial statement. The report showed that membership of the manufacturers' section had increased to 364. The retail section, approximately 10,000 strong, also showed a slight increase. Price-cutting had continued to decrease, but during the year P.A.T.A. representatives had paid 1,500 investigation calls, made 700 test purchases, and furnished reports on prices charged and stock held by traders still named on the stop list.

Dividend Agreements Not Being Observed

Particular attention had been paid to co-operative societies, and there was evidence that in several instances the "no-dividend-with-P.A.T.A.-goods" provision of the Societies' agreement was not being properly observed. Publication of the protected list, with supplements, had been continued throughout the war and, within the limitations imposed by the Paper Control, revenue from advertisements had been well maintained. The Central Price Regulation Committee continued to recognise the protected list as a list of "permitted prices," and during the year the Association had been in frequent touch with the Committee on increases in prices of P.A.T.A. articles. The council appreciated the courteous and helpful attitude invariably shown by the Committee and its officials. Members were reminded that increases in prices of articles in the P.A.T.A. list affected by the provisions of the Goods and Services (Price Control) Act were certified by the manufacturers concerned to comply with the requirements of the Act.

Propaganda and Future Policy

The committee appointed to conduct propaganda had done excellent work during the year. Leaflets, articles, Press notices and advertisements had served to remind members of the importance and value of the Association's price-maintenance work. An increasing use of the "P.A.T.A. symbol" by manufacturer members in their trade advertisements was noted. Toward the close of the year the council had received from the Executive of the National Pharmaceutical Union representations regarding the policy of the P.A.T.A., and, at a later date, suggestions for changes in the

constitution and operation of the Association. The council had since appointed a committee of inquiry to consider and report on the future policy of the P.A.T.A. in the light of present circumstances.

The income and expenditure account for the year showed that income (£10,313) exceeded expenditure by £224. Subscriptions from manufacturers (£2,866) and wholesalers (£2,870) showed a slight decrease, the former due, in part, to the withdrawal from the protected list of a number of proprietary articles, manufacture of which had been temporarily discontinued owing to shortage of supplies or other economic causes. Income from the retail section (£3,766) showed a modest increase, while donations from retailers and manufacturers had increased to £832. The council regarded the financial position and strength of the Association as most satisfactory.

President's Comments

THE PRESIDENT said the report provided evidence that, after four years of war, the P.A.T.A. was in a healthy state. It was most gratifying that, after an initial decline in the number of manufacturer members during the early years of the war, an upward tendency was again noticeable—a net increase of thirteen during the year was most satisfactory. The retail section, with a membership almost exclusively of chemists, was stronger than ever. It was natural that the price-cutting evil should have almost disappeared during war-time, but the check-up of stop-listed traders, test purchases and investigations referred to in the report were of great value and use. The co-operative society position, which was less satisfactory, was receiving careful attention, and every endeavour would be made to have things put right. The usefulness, to the trade generally, of the protected list deserved a tribute; and the Association's ability to produce and distribute the list and its various supplements regularly and under difficult conditions would be appreciated, particularly by retail members. The co-operation of manufacturer members who found it necessary to make price increases had resulted in the smooth negotiation of some difficult fences. Retailers had certainly benefited from the recognition of the P.A.T.A. list as a "list of permitted prices."

The founder of the P.A.T.A. had said that retailers grew accustomed to regard the price-maintenance benefits they derived

from its work as something as natural as the rain that fell from heaven. Chemists, like other people, were apt to be forgetful, and as signs of this forgetfulness were becoming apparent, the council had decided to embark on a modest campaign of publicity, which had not been without its effect. All he could say at the moment about suggestions for possible reorganisation was that the committee of inquiry had not completed its deliberations. Its recommendation, he hoped, would be available shortly. The president referred to the loss the P.A.T.A. had sustained through the death of Mr. G. M. Garcia and the recent resignation of Mr. J. Godber. He said the financial statement showed interesting contrasts with the income and expenditure account presented twenty-five years earlier. Then, retailers had subscribed £1,600, against £3,760 in 1943; wholesalers £231, against £2,870; and manufacturers £1,765, against £2,866. In 1918 the total income of the Association was £3,640, against £10,300 today, and instead of the substantial 1943 sum of £830 for donations to the funds, honorary subscriptions and donations in 1918 amounted to only £10 12s.

Adoption of the report was seconded by Mr. BOHN, supported by several speakers, and carried unanimously. Votes of thanks were accorded to the secretary and staff for their work, and to the president for his chairmanship of the meeting.

Council Meeting

The quarterly meeting of the council was held in London on April 13, the president (Mr. P. G. Hunt) in the chair. THE PRESIDENT referred to the resignation, through ill-health, of Mr. J. Godber, who enjoyed the distinction of being the only member of council who had held the presidency on three occasions (1914, 1932 and 1935). He moved the following resolution, which was unanimously adopted:—

The council of the Proprietary Articles Trade Association place on record their regret that reasons of health have compelled the resignation from the council of Mr. J. Godber. They recall that Mr. Godber had had an unbroken term of forty years as member of the council, during which, as representative of his company (Newton, Chambers & Co., Ltd.) on the manufacturers' section, as member of the executive committee, and on three occasions as president, he rendered devoted and invaluable service to the Association and the council. They express to Mr. Godber their sincere thanks for, and appreciation of, his services over this long period and their good wishes for his

restoration to health and happiness in his retirement.

The council endorsed the recommendation of the manufacturers' section that the vacancy on the executive committee, occasioned by the resignation of Mr. Godber should be filled by Mr. R. G. Dyas (J. Grossmith & Son, Ltd.).

Absence from Council Meetings

The council adopted the following resolution:—

Should a member of any section of the council fail to attend three consecutive quarterly meetings of that section, the fact shall be reported to the council, and such member shall be deemed to have resigned his membership of the council, unless the council shall resolve otherwise.

It was agreed that, at the next meeting, a resolution providing for the admission to honorary membership of the council of former members who had rendered outstanding services should be submitted.

THE PRESIDENT stated that the committee of inquiry appointed in January had had a number of meetings, but had not yet concluded its deliberations and report. It was anticipated that this would be ready shortly and that a special meeting of the council might be called to deal with the matter.

Price Maintenance

The report on price-maintenance work stated that in the past three months the Association's agents had visited the premises of 529 traders, and had taken note of the P.A.T.A. articles stocked and the prices charged. In only twenty-three instances were P.A.T.A. goods offered at cut prices. Except in a few instances, stocks of P.A.T.A. articles held by stop-listed traders tested were small or non-existent. In the twelve months ended March 31, 1,684 testing and investigation calls had been made, and 680 test purchases effected. A number of branches of important co-operative societies had been tested by local secretaries and the Association's representatives, and the tests had made it evident that, in far too many instances, dividend-bearing checks had been given to members with purchases of P.A.T.A. goods. The council decided on the action to be taken.

War Exhibition at Vacated Pharmacy.—An exhibition illustrating the war effort of Jewish Palestine was staged recently at premises formerly used as a chemist's shop on the northern side of Piccadilly, Circus, London, W.1.



*Meet the need
for 'Something'
more persuasive'*

© T7

MEDILAX
BRAND
Laxative Pellets

NOSTROLINE

NASAL REMEDY
Now ONE size only, 1/5
(Including Tax)

MATTHEWS LABORATORIES, LTD., BRISTOL, 8

OLEUM VITAMINATUM
B.P. 2nd. Addendum

H. R. NAPP LIMITED

3 & 4, Clements Inn, London, W.C.2.

ESTABLISHED 1793

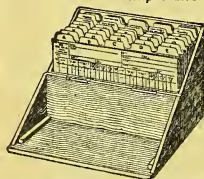
ATKINSON & BARKER'S
INFANTS' PRESERVATIVE

The Best and Safest Infants' Medicine of
150 years' standing

Does not contain any Scheduled Poison

ROBERT BARKER & SON, LTD.
13 WESLEY ST., C. on M., MANCHESTER

PAY AS YOU EARN THE EUPAX CARD
INDEX RECORD
Simple and Very Efficient



Containing in one Unit
the Inland Revenue and
other Cards with Guide
Cards for quick reference.
Size T 1 for up to 250
employees 39/-
Size T 2 for 250 to 1000
employees 58/6
Including P.T. Post Paid
Special quotations for
larger outfits

WILLIAM SESSIONS LTD., THE EBOR PRESS, YORK
Phone: 3326 York. Grams: Sessions 3326 York

S.V.R.

JAMES BURROUGH LTD.

1 Cale Distillery, Lambeth, S.E.11

NATIONAL WAR FORMULARY

An Announcement of Importance to Wholesale
Druggists and Manufacturing Chemists

PATTINSON'S Regd. Brand

MAGNESIUM TRISILICATE B.P.

This high-grade product conforms to the
requirements of the recent Addendum
to the British Pharmacopoeia. Write for
special bulletin and sample.

Sole Manufacturers:

WASHINGTON CHEMICAL COMPANY LTD.

WASHINGTON STATION, Co. Durham, England

TRAGACANTH

SPECIALISTS IN B.P. POWDER.

SAMPLES AND PRICES ON REQUEST.

FREUDENTHEIL, SMITH & CO., 16 Philpor Lane,
London, E.C.3

MANsion House 1924 & 6600. Estd. 1826

DICTIONARY OF SYNONYMS

(Incorporating 'Rouses' Synonyms)

A Copy should be in every Pharmacy

5/4 post free from

THE CHEMIST & DRUGGIST

28 ESSEX ST., STRAND, LONDON, W.C.2

**NATIONALLY
ADVERTISED**

GOLDSTONE
**BEETLE
VIRUS**

DESTROYS BLACK BEETLES

The Beetles disappear and
die, leaving no odour

Retail 1/- (8/- per dozen net)

" 1/9 (14/- " ")

" Not liable to purchase tax

GOLDSTONE CHEMICAL WORKS
HOVE, ENGLAND

THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

RETAILER — WHOLESALER — MANUFACTURER

circulates throughout the Pharmaceutical, Chemical, Drug, Essential Oil, Perfumery, Cosmetic, Toilet Preparation and allied Trades and Industries in Great Britain, Eire, the British Empire, and foreign countries

Official organ of The Pharmaceutical Society of Great Britain, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Great Britain and of other Chemists' Societies in the Empire

L. CXLI APRIL 22, 1944 NO. 3350

The fact that goods made of raw materials are in short supply owing to war conditions are mentioned in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.

Practical Research

AMONG the many inquiries and investigations carried out annually by the Imperial Institute, London, a range of problems of interest to the drug and allied trades can usually be found. In this respect the year 1943 was no exception, despite the war-time difficulties in providing facilities for this type of work. Sir Harry Lindsay, Director of the Institute, in his annual report for 1943, mentions, under the heading of "Plant and Animal Products Department," that the work has been carried out mainly on behalf of official bodies in connexion with matters of immediate importance. During the period under review reports were furnished on 176 samples originating in many countries, e.g. United Kingdom, New Zealand, Union of South Africa, India, British Guiana, Cyprus, Kenya, Nigeria, Brazil, the Belgian Congo and French West Africa. A large proportion of the materials investigated came from departments of Agriculture and Forestry and other official organisations in the overseas Empire. Samples were also examined on behalf of various organisations in the United Kingdom, and others were received from planters overseas and from firms in this country. Such diverse materials as pyrethrum

flowers, banana fibres, cassava starch, mangrove bark, castor oil, seaweed, dried vegetables and gouged cattle hides are among the substances that are grist to the mill of this department. We learn, *inter alia*, that banana fibres from Nigeria would be saleable in the United Kingdom under present conditions, that cassava starch from the same source represents starch of a satisfactory quality to meet the present needs of the United Kingdom market, that mangrove bark from Sierra Leone has a tannin content too low for profitable shipment, that Nigerian castor oil compares satisfactorily with castor oils already in use as lubricants, and that New Zealand seaweed (*Gigartina decipiens*) is highly satisfactory as a clarifying agent in brewing. Investigations and reports such as these are of a highly practical character, and in many instances the results largely affect the development of new industries throughout the Empire.

Many Inquiries

OF the 820 inquiries dealt with during the year, the report gives examples of only a few, selecting for emphasis some of the lesser-known products and industries. On the question of developing the production of papain in the West Indies, for example, the Institute furnished a statement giving an outline of the methods of preparation and marketing of the product, and made observations with regard to new processes being worked out in the United States for the production of a high-grade material. Present and possible future uses of papain were discussed, and reference was made to the possibility of bromelin becoming a serious competitor on the resumption of the pineapple canning industry after the war. The Government entomologist in Sierra Leone was furnished with information concerning cashew nut shell oil, the results of which showed that the possible applications of this material as an insecticide were limited. Assistance was given to a Gold Coast firm in the manufacture of soap, the recovery of glycerin, and candle-making with a view to the commercial production of these materials in the Colony. Other items of interest dealt with in this section of the report include the provision of information on vanilla, logwood, animal gut,

bleaching of palm oil, cultivation of lavender and the production of the oil in Tanganyika, production of sesame, marketing of pyrethrum, etc.

Insecticides

Although no meetings of the Consultative Committee on Insecticide Materials of Vegetable Origin were held during the year, investigations concerning derris root and pyrethrum, in which the Committee has been interested, were conducted in the Imperial Institute laboratories, in conjunction with Rothamsted Experimental Station. The work embraced the study of methods of examination of these materials, continuing that carried out in previous years, and the analysis of numerous samples. The bibliography of literature concerning insecticide materials of vegetable origin, notably derris, pyrethrum and allied materials, prepared by the intelligence section of the Department, has proved highly satisfactory, and has been distributed, by request, to an increased number of official organisations.

Fluorine in Dentifrices

THE "British Medical Journal," in its issue of April 1, makes the arresting suggestion that legislation should be introduced rendering compulsory the inclusion of specified amounts of fluorine in every dentifrice sold. It may doubtless be argued that there is a good precedent for such a course in the statutory inclusion of calcium and vitamin preparations in the national loaf of bread. There are, however, two important points of difference. The first is that, while everybody eats bread, cleaning the teeth is, unfortunately, not a universal practice. There are still too many people who regard as unnecessary or rather a bore what should be a habit as regular as washing the face.

Victims Left Unaffected

The scientific purpose of the proposal, namely the prevention of dental caries, might thus be achieved among users of tooth-pastes, while leaving many victims of caries untouched. A second point is that while calcium may be a universal requirement in the diet (and even on this conclusion there is disagreement), there is definite evidence in certain parts of the country of

an excessive intake of fluorine resulting in unsightly mottling of the teeth.

The technical difficulties, if any, of incorporating fluorides in dentifrices without sacrifice of other properties of an ideal dental product could no doubt be overcome although they might fall more heavily on some makers than others, but there is serious objection to compelling further excess of fluorine where the amount of the element that comes in contact with the teeth is already too great. If the inclusion of soluble fluorides in dentifrices gains acceptance by dental authorities as being valuable where caries is prevalent, a more satisfactory approach would be, perhaps, mutual agreement among the manufacturers to mark only fluoride-containing preparations in the areas affected, while supplying "plain" dentifrices where mottling is common.

Fluorine Areas Charted

It is understood that considerable progress has already been made in mapping out the country according to the presence or absence of fluorine in the local water and the presentation by one maker of more than one variety of tooth-paste, while it might involve distribution difficulties would introduce essentially no greater obstacle than the blending of special teas to suit "hard" or "soft" waters. It seems established by the "B.M.J." article that (a) fluoride solutions administered subcutaneously are without effect on dental caries; (b) fluoride solutions taken orally act only to the extent that they come in contact with the teeth; and (c) fluorides are directly absorbed by the enamel from solutions of preparations while in the mouth. It can be expected that dentifrice manufacturers will be quick to appreciate the significance of these facts so soon as they are made aware of them, and to co-operate accordingly with medical and dental authorities. Question of compulsion can then be left until the use of dentifrices becomes, by whatever means, universal.

CLOSED ON SATURDAYS.—Advertisers and subscribers are reminded that owing to war conditions the Head Office of THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2, is closed on Saturdays until further notice. Urgent instructions relating to advertising and subscriptions should be sent to the C. & D. 17 Argyle Street, Bath, Somerset.

LARGER HALL NEEDED AT GLASGOW MEETING

THE annual meeting of the Glasgow and South-western Scottish Branch of the Pharmaceutical Society was held in Glasgow on April 12. Mr. David Gemmell (chairman) presiding over such a large attendance that an adjournment had to be made to a larger hall. The report (showing a membership of 1,270—a decrease of fourteen) and financial statement were approved. It was estimated a ten-shilling note, accompanied by a letter from the chairman, had been sent to each of 139 members on service; ninety-five had acknowledged receipt.

Mr. Andrew Officer, Glasgow, was elected *chairman*, with Mr. Robert M. McCrone, Coatbridge, *Vice-chairman*, and Mr. Robert McAdam, 1044 Dumbarton Road, Glasgow, *V.4, Secretary*, and *Treasurer*. It was unanimously agreed to increase Mr. McAdam's honorarium by £20. Mr. Thomas Newton was appointed *Librarian*, with Messrs. Peebles and W. Wood Wilson *Auditors*. There were twenty-seven nominations for membership of the *Committee*, whose successful being Messrs. E. J. B. Allison; H. Allison; Buick; C. Campbell;

Culbert; Dick; HUGHAN; Gemmell; A. B. Gilmour; Home; Milne; Napier; T. Smith; Miss Paul; and Miss Suttie. Messrs. Campbell and Gilmour were elected to act as delegates to the British Pharmaceutical Conference, with the chairman, vice-chairman, and secretary.

The meeting considered a letter from the Council suggesting certain restrictions on the publicity sought by candidates for seats on the Council. It was pointed out that the recommendations were not practicable and enforceable. It was accordingly agreed to allow the letter to lie on the table.

On behalf of the Benevolent Fund, Mr. A. B. GILMOUR appealed for members' support, Mr. THOMAS GUTHRIE also stressing the claims of the Fund. THE CHAIRMAN reminded members also of the Soldiers' Comforts Fund. Various members pressed for information as to what was being done to safeguard the position of pharmacists under the proposed National Health scheme, and it was stated that pharmacists' interests were being watched by a representative committee.

FOUR EMPLOYEES SPEAK AT SHEFFIELD

FOUR employees were the speakers at a meeting of the Sheffield Branch of the Pharmaceutical Society recently. They were Messrs. J. Gilmour, M.P.S. (National Union of Distributive and Allied Workers), H. S. Walker (Association of Scientific Workers), A. A. Wompura, M.P.S. (National Pharmaceutical Employees' Union), and S. Durham, M.P.S. (Association of Pharmaceutical Employees). Mr. C. A. Fox presided. MR. GILMOUR opened with a brief history of organisation among employee pharmacists. Only by organisation and a united front, he said, could the many difficulties of employees be overcome; this was particularly true at present, in view of discussions about the proposed National Health Service. The Joint Industrial Council for Retail Pharmacy, too, would be effective only if it had the full backing of all employees.

MR. WALKER, speaking as a scientist, maintained that, to be really effective, a union must be affiliated to the Trades Union Congress. The Association of Scientific Workers was attempting to improve the status of science generally, as well as to show the general public the use of science in everyday life. For the National Pharmaceutical Employees' Union MR. WOMPURA said it was up to each individual member to

make a union of employees what he wanted it to be. This was possible in the N.P.E.U., which was a new union, and he felt that even if all employees belonged to one union the number would still be small among the overwhelming whole of the T.U.C. The N.P.E.U. was not in any way connected with the National Pharmaceutical Union, but had been started by a group of employees in London. The A.P.E. speaker, MR. DURHAM, reminded listeners that the A.P.E. had been formed at a time when wages had been extremely low. Its first success had been the obtaining of a regular weekly half-day holiday for employees in Manchester, and since that time it had had a number of other successes to its credit. The setting-up of a Joint Industrial Council in pharmacy was, he claimed, directly due to the A.P.E., which also had the greatest number of employee representatives upon it. Pharmacy, he felt, would either die out altogether as a career within twenty-five years, or would have to undergo an improvement. To be sure of the latter pharmacists must organise, and he maintained that the A.P.E. was progressive, strong and stable. MR. DIXON (vice-chairman) proposed a vote of thanks to the speakers; this was seconded by MR. CROWE and carried.

ESSENTIAL OILS CONTROL SCHEME

THE following information for the guidance of datum-period distributors (Circular No. 8) has been issued by Allocations Control:—

Allocation of Complete Packages to Users.

—The Advisory Committee points out for the information of D.P.D.'s that when D.P.D.'s receive an allocation of an oil which amounts to only a proportion of the total quantity of that oil for which they have been nominated, they are not obliged to deliver to their users in precisely the same proportion and, in fact, should not do so if undue repacking would result. D.P.D.'s should distribute to their users so far as possible in original packages even if this means that the proportions received by different users vary somewhat, provided that each user receives a reasonable proportion of each allocation. In this matter D.P.D.'s should use their discretion and only repack where this is unavoidable. Breaking bulk charges may not be added to the basic selling price where an ullaged package is delivered. They are applicable only to quantities actually extracted and repacked from an original container. Where it is necessary to make up a special outer package to contain an original tin or tins, this may be invoiced at a reasonable price.

Small Suppliers' Allotments.—The secretaries report that in a number of cases certain nominated suppliers who were not themselves D.P.D.'s had failed to appoint a D.P.D., and that consequently quantities, possibly running into thousands of pounds of oil, which might otherwise have been distributed were being held up. Appropriate applications for the nomination of a D.P.D. had been repeatedly made to these suppliers, without response from them. The Advisory Committee has therefore decided that any supplier who has not yet appointed a D.P.D. for the allotments due to him in the 1943 programme, should be notified by the secretaries that, unless he nominates a D.P.D. within ten days, Allocations Control will transfer the allotment to a D.P.D. qualified to act, and that owing to his failure to act on his customers' behalf he would consequently lose his interest in the business. The secretaries also state that it frequently happened that a large proportion of the D.P.D.'s nominated for a particular oil within one supervisory body might each have total allotments amounting only to very small quantities of the oil in question. It had therefore been decided

that supervisory bodies, so soon as the returns from their users were complete, should write to each supplier nominated by the users giving particulars of the nominations and stating that: (a) if the suppliers were not D.P.D.'s they must themselves appoint a D.P.D. for the quantity in question within ten days, giving the secretaries, Whinney, Smith & Whinney, 4b Frederick's Place, London, E.C.2, the following information: The name and address of the D.P.D. so nominated, variety of oil(s), weight in lb., and the supervisory body concerned. Failing the receipt of such an advice within the period mentioned, Allocations Control would reserve the right to transfer the allotment to a D.P.D. qualified to act. (b) In the event of the total quantity of oil for which a D.P.D. is nominated under any one supervisory body not exceeding in value £10 Allocations Control should have the right at its discretion, to transfer the allotment to another D.P.D.

Fixed Contribution.—The Advisory Committee has found it necessary to increase the fixed contribution, and the following rates will apply: 4 per cent. on the "notional" c.i.f. value on oils imported by the Ministry of Food; 5 per cent. on the c.i.f. value on all other oils imported under licence. These new rates will apply to oil delivered by the Ministry of Food under the 1944 programme, due advice being given of this by the secretaries on the allocation permits; for oils imported under licence it will apply to any shipments arriving in the U.K. after April 30, 1944. Approved representatives concerned with importations under licence should note that Circular No. 3 will become obsolete and fresh calculations will have to be made. The new formula and a revised table are given in the circular.

C. & D. QUIZ NO. 26

1. What is caustic barley?
2. What is litmus?
3. What is wild cinnamon bark?
4. What is chicle?
5. Why is rubidium so called?
6. What is powder of Algaroth?
7. What is Rinman's green?
8. What is aker-tuba?
9. Why is casium so called?
10. What is cortin?

(Answers on p. 453)

PHARMACIST M.P. ON N.H.S. PROPOSALS

DRESSING Bradford Branch of the Pharmaceutical Society on "The National Health Service White Paper" on April 12, Major W. E. WOOLLEY, M.P., M.P.S., said it was not so much a concrete scheme at the moment as a matter of "kite-flying" to gauge the reactions of the people involved. It was up to chemists to make up their minds what they felt their rôle should be and let the Ministry know as soon as possible. There was little in the White Paper to present about pharmacy, and it was up to pharmacy to offer its own suggestions to dispensing and medicine-distribution methods. Some people suggested there should be a Central Board to administer the day-to-day functioning of the dispensing service, just as there was to be the Central Medical Board to administer the working of the doctors. The scheme might even require chemists to become State servants. He intended that the 20,000 chemists in the country must be the nation's dispensers, and that they could do it best from their individual pharmacies—which were far more effectively dispersed among the homes of the mass of the people than any system of health-centre distribution could hope to be. Another matter on which chemists must make themselves quite clear and definite was their remuneration. They did not want repetition of the one-time system under National Health Insurance of the chemist's pay being what was left in the "kitty."

Free Choice Hardly Possible

Whilst agreeing that nobody was likely to quarrel with the idea of a national medical service for everybody, or the proposal for equal benefit for equal pay, against some of the injustices of the present health insurance system, Major Woolley doubted whether the promised free choice of doctor was going to be possible in practice. The country already had insufficient doctors. N.H.I. had increased the demand, which was estimated would be doubled or tripled. The scheme itself proposed a "ceiling" figure of patients beyond which the individual doctor could not go. The allocation of certain consultants and specialists to areas meant obviously that the area doctors would be tied to those persons so allocated, which meant there was no free choice of consultants and specialists. The voluntary hospitals, in Major Woolley's view, would soon cease to be voluntary, because if everybody was getting a comprehensive, free service, the

workpeople's hospital fund income would come to an end, and a great proportion of individual gifts and bequests would cease. Young doctors, he felt, would be compelled to go through the proposed health centres before being allowed to practise for themselves, and he did not consider that was likely to be anywhere near so adequate a training as the present system of passing through the hospitals, where the voluntary system brought out the best in a man.

Local Pharmacists' Views

In the course of discussion, Mr. F. C. WILSON (a member of the Pharmaceutical Society's Council) said the views of pharmacy on this matter had been submitted to the Ministry twelve months ago, in a joint memorandum from the Society and the National Pharmaceutical Union, yet the White Paper, as issued, appeared to ignore those suggestions entirely.—MR. WILKINSON said the financial aspect of the matter seemed to him to be merely a case of straight multiplication as between cost of the existing N.H.I. and medical service, and that of the proposed all-in service for everybody. What chemists wanted, was indication of some improvement for pharmacy, and he saw nothing in the financial proposals likely to provide that improvement.—MR. R. A. CROSS said he believed he had seen some statement which indicated that chemists were likely to be expected to give about three times the present service at no more remuneration. He wondered whether chemists were the only people in the country doing Government contract work at no profit on the goods they supplied (laughter).—MR. WILKINSON asked if Major Woolley had seen a model of the proposed health centres, with whatever provision was being made in the way of dispensing, and the speaker said he had not seen it.—MR. F. C. WILSON said he had seen the model, and he was not at all satisfied with what he saw on the dispensing side. It seemed to be little more than a small waiting room.—MR. KITCHING asked whether an extension of existing N.H.I. could not provide the improvements at much less cost to the country than the proposed national health service, which was going to cost so much?—MAJOR WOOLLEY said he was inclined to agree that a simple extension of N.H.I. might meet the need; he had no liking at all for the "nationalising" of doctors and much less for any idea of making chemists State servants.

PHARMACEUTICAL SOCIETY OF IRELAND

THE monthly meeting of the Council of the Pharmaceutical Society of Ireland was held on April 11, Mr. C. J. Cremen (president) in the chair. Other members of the Council present were Messrs. J. K. Whelehan, T. B. O'Sullivan, W. G. Cunningham, M. Costelloe, J. A. O'Rourke, P. Brooke-Kelly, T. C. Scott, J. P. Kissane, D. W. P. Boyd, H. P. Corrigan and Miss F. M. Flood.

A letter was read from the Minister for Justice regarding changes proposed in the Preliminary examination regulations. THE PRESIDENT explained that a deputation consisting of the vice-president (Mr. Whelehan), the treasurer (Mr. Cahill) and himself had been received at the Department of Justice, and the changes in the regulations proposed by the Council fully discussed. A further communication on the matter was due from the Department, and until that was received he suggested that discussion should be deferred. The Council acted on the president's suggestion. A further letter was read from the Department of Justice regarding the new Dangerous Drugs regulations, particularly in reference to their application to the control and distribution of "dangerous" drugs from wholesale houses. In view of the important issues raised, the Council decided to refer the letter for consideration by a committee.

Constitution of Proposed Guild

Mr. Seamus Murphy, M.P.S.I., 71 New Street, Dublin, wrote enclosing a copy of the proposed constitution for a Pharmaceutical and Drug Trade Guild, and requesting the views of the Council on the matter. The suggested constitution, stated Mr. Murphy, had been considered by a committee on which all interests had been represented, under the chairmanship of the Rev. E. J. Coyne, S.J. After setting out the objects of the Guild, it proposed the setting-up of a council of sixteen members and a chairman to be nominated by the Minister for Industry and Commerce. The Council would consist of two members from the Council of the Pharmaceutical Society, two from the Registered Druggists' Association, two from the Pharmaceutical Chemists' and Assistants' Union, two from the Irish Dispensary Compounders' Association, two members to represent the collective Unions catering for all employees in pharmacy, two members from the Irish Drug Association, two manufacturers, and two wholesalers.

MR. O'ROURKE said he thought the

formation of such a Guild was a step in the right direction, and they should consider the proposals in a serious and not in a perfunctory way. The old system had failed, and they must adjust themselves to modern conditions. If they had a Guild representative of all interests in pharmacy with an independent chairman, they would be in a much stronger position and would have nothing to fear. Separate associations catering for different aspects of pharmacy would be no use, whereas this new body would be a quasi public-corporation.

Commission's Report Awaited

THE PRESIDENT said he had, as a representative of the Council, attended some of the meetings of the body set up to form a Guild. He thought it was unfortunate that they had moved ahead so quickly, especially since they were all awaiting the report of the Vocational Commission, which he presumed would deal with the organisation of all professional interests, and not alone pharmacy, in a big way. The proposals made by this Guild committee might be overridden by the Vocational Commission's report, which he thought premature.

MR. SCOTT said he had also attended the meetings, and he felt, like the president, that members should wait until the Vocational Commission had reported. Then it would be time enough to decide what to do. He did not like the idea of a chairman being appointed by the Government, as he felt that was moving towards a Fascist State, and the less of that they had the better. They should go more on the lines being adopted in England, and keep such a Guild confined to retail chemists alone, disregarding outside organisations. If necessity arose for a unified body such as that proposed, the existing associations and unions could be quite easily brought together. Discussion now was premature.

MR. O'ROURKE said he would favour the appointment of a chairman by a Government Department. They needed somebody with authority to bring discipline into their ranks, and to bring in the ten or fifteen per cent. who always remained outside. The views of a joint body like a Guild could not be ignored by any Minister.

MR. BROOKE-KELLY thought they should have a joint Council on which medicine, pharmacy, dentistry, nursing, and the veterinary profession should all be represented.

THE PRESIDENT said one of the difficulties he foresaw was that a statutory body like the

Pharmaceutical Society would have its powers and functions impaired by such a body as the suggested Guild. They were the only body with statutory powers, and they must face the situation clearly that certain powers they had would be passed over to this body.

MR. CUNNINGHAM said he did not think that it would be so.—THE PRESIDENT: They would have the right to speak on a considerable number of issues on which we are the only authority at the moment.—MR. CUNNINGHAM: They would not.

Right of Council to Nominate

THE PRESIDENT said he doubted very much whether the Council had the right to nominate two members to this body under the circumstances without consulting the greater body of chemists throughout the country. A representative assembly like the proposed Guild, even though it did not pretend to have power, would have a certain moral force with any Government concerned. It was his duty to point out these things clearly. Personally, he was in favour of the Guild system up to a point, but he honestly thought that the proposal before them required further consideration, and could not be dealt with without acquainting the country of it.

MR. CUNNINGHAM said it was quite obvious they were discussing something not understood by the Council generally. For that reason it might be as well to leave it over.

MR. SCOTT said a similar communication from Mr. Murphy had been before the Irish Drug Association at its most recent meeting, and members of that body had thought it entirely premature, deciding to await the Vocational Commission's report.—MR. CUNNINGHAM: I agree it is premature.

MR. BROOKE-KELLY asked if the suggested Guild would have statutory powers.—MR. O'ROURKE said that if vocational organisation is decided upon by the Legislature, each Guild would have statutory powers.

MISS FLOOD inquired if this Guild must be formed before or after the Vocational Commission reported.—MR. O'ROURKE replied that the body was compelled to take action, but if people in a certain profession were sufficiently interested they could form their own organisation. The trouble in Eire was that they had numerous voluntary associations with no powers. He agreed with Mr. Cunningham that the real difficulty was lack of understanding of the Guild principles. This was an entirely new concept of organisation, in which each profession would be supreme in its own sphere, subject only to the legislature. At present the legislature dealt with separate groups. The nomination of a chairman by the Minister for Industry and Commerce would, he thought, be an advantage.

MR. BROOKE-KELLY said that the Pharmaceutical Society looked after the professional side of pharmacy, and the Irish Drug Association on the trade side. The new body, he thought, could merely duplicate what these bodies could do.

MR. BOYD: Have we any information as to the Government attitude towards the Guild

system at all?—THE PRESIDENT: We are awaiting the report of the Vocational Commission, a body which is Government-sponsored.

The Council decided to defer consideration of the matter for the present.

The Codex Committee wrote forwarding the Sixth Supplement to the British Pharmaceutical Codex. Mr. K. Deery (secretary, Registered Pharmaceutical Students' Representative Council) wrote thanking the Council for its grant of £10 to cover that council's initial organising expenses. Mrs. T. Ferris, L.P.S.I. (*née* MacAuliffe) wrote submitting marriage certificate, and requesting change of name in the Register; the application was granted. The application of Dr. L. A. Cooke, who submitted a Licentiate of Apothecaries' Hall certificate, and requested registration as a pharmaceutical chemist, was granted. Mr. D. Sheahan and Miss Mary T. Leydon, both of whom forwarded matriculation certificates, were granted preliminary registration.

Committee Reports

The reports of the House, Law, Certificates and Declarations, Schools, and Education Committees were submitted and approved. The report of the Certificates and Declaration Committee stated that forty-one candidates, one of whom had later withdrawn, had entered for the forthcoming Licence examination, and two candidates for the Registered Druggist examination. THE REGISTRAR reported on the deaths of Messrs. T. White, Ph.C., W. C. Harvey, Ph.C., H. A. Gray, Ph.C., J. K. Murray, Ph.C., F. W. Dodds, R.D., S. Hill, R.D., I. Kirker, R.D., R. Stevenson, R.D., and R. S. Thompson, R.D. The following changes of address were notified: Mr. M. Fortune, M.P.S.I., to Marconi House, Rossclare Strand, Wexford; Mr. J. Coffey, L.P.S.I., to 4 Waring Street, Belfast; Mr. C. F. Fairweather, L.P.S.I., to 14 Highway, Ridge Estate, Yate, Bristol; Mr. T. H. Giff, L.P.S.I., to Sebra, Ulster Avenue, Dunmurry, Belfast; Miss M. E. Hanna, L.P.S.I., to King George V Sanatorium, Godalming, Surrey; Mrs. V. C. F. Hepburne-Scott, L.P.S.I., to St. Paul's Rectory, Wokingham, Berks; Mr. W. Kelly, L.P.S.I., to 2 Woodhouse Street, Portadown; Mr. T. J. Lynch, L.P.S.I., to 2 Longford Terrace, Monkstown, co. Dublin; Mr. E. A. O'Callaghan, L.P.S.I., to 237 Griffith Avenue, Dublin; Miss K. M. Roberts, L.P.S.I., to 34 Bassett Green Road, Southampton; Mr. A. J. Walmsley, L.P.S.I., to 40 Hanover Street, Liverpool; Mr. J. Greaney, R.D., to Rathbaun, Drumahaire, co. Leitrim; and Mrs. M. A. Wall, R.D., to Medical Hall, Main Street, Lismore, co. Waterford.

The following were elected members of the Society: Messrs. J. J. Doyle, P. Fitzgibbon, J. J. Forristal, W. P. Sullivan, J. V. Tobin, and W. E. Williamson. The following were nominated for membership: Messrs. M. J. Harty, Vicar Street, Tuam; T. J. Lynch, 2 Longford Terrace, Monkstown; and T. E. Quigley, 12 Pearse Square, Fermoy. The Licence certificate of Ellen Veronica Lynam was signed and sealed.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency.

28 Essex Street, W.C.2, April 19

THE past week has been an uneventful one in the London drug and chemical markets, with the general tone subdued but steady. Business has been moving quietly, with practically all orders for modest quantities for immediate consumption. The shortage of spot supplies of some items and the necessity, on account of slow shipping movements, of estimating requirements far in advance, are two of the principal difficulties with which merchants have to contend under present conditions. In the circumstances stocks are being reasonably well maintained and, with one or two notable exceptions, most orders for moderate quantities can be filled without difficulty. In the PHARMACEUTICAL CHEMICALS section a slight advance (1d. per lb.) has been notified for CITRATES, while ZINC SALTS and CALAMINE have been increased by the same amount. METHYL SALICYLATE appears to be in rather better supply.

Crude Drugs

Most reports from this section of the markets indicate a quiet week of business, in which substantial orders have been few and far between. Prices are generally well maintained, with changes amounting only to small movements either way. A few cases of CAPE ALOES are reported available for sale to consumers only, subject to official approval. Stocks of BENZOIN are now depleted. CARDAMOMS remain exceedingly quiet, with no quotable changes in values on the week; export business is negligible. CHILLIES is as previously quoted. First-hand supplies of black COCHINEAL are now exhausted. ERGOT is short, but the price is unaltered. Quiet conditions obtain for GUM ACACIA. IPECACUANHA is still absent from the market, and there appears to be little likelihood of supplies becoming available in the near future. Present spot stocks of JALAP seem to be confined to small lots of root testing 13 per cent. MENTHOL continues in some inquiry, but material at the controlled prices is not being offered. QUILLAIA BARK is quoted dearer for shipment. RHUBARB is wanted, but supplies are no longer plentiful. A little inquiry has been noted for imported SEEDS, but no alterations in values have been made.

Essential Oils

No developments of importance have occurred in this section. Supplies of "free" oils are generally exceedingly difficult to locate, with high prices being asked for some varieties. Odd packages of ANISE (STAR) and PEPPERMINT are occasionally offered. EUCALYPTUS and LEMONGRASS are hard to find on spot. GINGERGRASS appears to be a rather more plentiful supply. A new circular (No. 8), under the Essential Oils Control Scheme, has been issued by Allocation Control: particulars will be found on p. 44. No further changes have been announced in the prices of fixed oils.

Licences for Stramonium Leaves

The Directorate of Medical Supplies has notified the botanical drug importer section of the London Chamber of Commerce, 68 Cannon Street, London, E.C.4, of its intention to recommend import licence for a limited quantity of stramonium leaves during the period ending March 31, 1944. The section has been asked to arrange for its importation. For this purpose, firms which, during the years 1937 to 1942 inclusive, imported this drug, are asked to communicate with the section.

Pharmaceutical Chemicals

ACETANILIDE.—Crystals are offered at 2s. 5 per lb., and powder at 2s. 6d.

AMPHETAMINE.—Makers continue to quote at approximately 150s. per lb.

BRUCINE.—Current rates per oz. are as follows: ALKALOID.—Under 25 oz., 1s. 4½d. 25 oz. and under 100 oz., 1s. 4d.; 100 oz. and under 500 oz., 1s. 3½d. NITRATE and SULPHATE.—Under 25 oz., 1s. 3½d.; 25 oz. and under 100 oz., 1s. 3d.; 100 oz. and under 500 oz., 1s. 2½d.

CALAMINE, B.P.C.—Prices have been advanced by one penny per lb., as follows: Small 7 lb., 1s. 8d. per lb.; 28 lb., 1s. 6d.

GALLIC ACID.—Quoted at from 10s. 6d. to 11s. per lb., according to quantity.

GLUCOSE.—Powdered monohydrate for bulk home trade, in lots of 28 lb.—1 cwt., is quoted per lb. as follows (containers in brackets): 10d. (28-lb.); 10½d. (14-lb.); 11d. (7-lb.); 1s. (4-lb.); 1s. 0½d. (2-lb.); 1s. 1½d. (1-lb.).

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gram in brackets): ALKALOID, 1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 87s. 6d. (6s.). HYDROCHLORIDE, HYDROBROMIDE and SULPHATE, 1 oz., 75s.; 4 oz., 90s. 16 oz., 65s. (3s. 2d.).

PHENOLPHTHALEIN.—Makers' prices are steady as follows: Less than 7 lb., 4s. 6d. per lb.; 7 lb., 4s. 5d.; 14 lb., 4s. 4d.; 28 lb., 4s. 3d.; 1 cwt., 4s. 2d.

PILOCARPINE.—Makers quote at the following rates per oz.: Base, 1 oz., 27s.; 4 oz., 21s. 3d.; 8 oz., 20s. 9d.; 25 oz., 20s. 3d.; NITRATE, 1 oz., 18s. 6d.; 4 oz., 18s.; 25 oz., 17s. 6d.

POTASSIUM PERMANGANATE.—Makers quote B.P. quality at 1s. 10d. per lb.

SANTONIN.—Home-trade prices are as follows: 10 kilos and over, £62; not less than 5 kilos, £63; 2-4 kilos, £64; 1 kilo, £65; 500 gm., £66; 560 gm., £67; 100 gm., £68; less than 100 gm., £69 per kilo. Carriage paid in United Kingdom.

SULPHANILAMIDE.—Quoted at from 10s. 6d. to 11s. per lb., according to quantity.

TANNIC ACID (LEVIS EX ETHER).—Quotations are steady at 10s. 6d. to 11s. per lb., according to quantity.

TERPINEOL.—Obtainable for medicinal use at from 3s. 3d. to 4s. per lb., for B.P.C. quality.

VANILLIN.—Current rates per lb. are as follows: 5 cwt., 21s. per lb.; 1 cwt., 21s. 3d.; 56 lb., 21s. 6d.; less than 56 lb., 21s. 9d.

Crude Drugs

AGAR.—Price is controlled at 30s. per lb. by the Control of Agar (No. 1) Order, 1943.

ALOES.—A few cases of Cape are reported to be available for sale to consumers only at 79s. per cwt., net, ex store Liverpool, subject to D.M.S. approval. Curaçao is in small compass on spot.

AMMONIACUM.—Ordinary drops may be obtained on spot at 2s. per lb.

ARECA NUTS.—Dealers' quotations are at about 115s. per cwt., ex store.

BALSAMS.—*Tolu* and *Copaiba* are out of stock, but *Peru* and *Canada* may be obtained at 8s. 3d. and 10s. per lb., respectively.

BELLADONNA.—Indian leaf, 0.4 per cent., spot, 5s. 3d. per lb.; Indian root, 0.49 per cent., 500s. per cwt.; 0.36 per cent., 330s.

BENZONIN.—Sumatra block, for pharmaceutical purposes, in small compass at £30 per cwt.

CAMPHOR.—Approved buyers may obtain small supplies of Chinese crude at 10s. per lb., and similar quantities of B.P. at 11s. 6d.

CARDAMOMS.—Practically no business passing in this item. Spot values are as follows: Aleppy greens, spot, 5s. 6d. per lb.; Aleppy seed, 6s. 6d.; split seed, 5s. 6d.

CASCARA SAGRADA.—In good demand. Lease-Lend material is priced at 260s. per cwt. Some Canadian bark is expected which may be available at rather below Lease-Lend prices.

CHAULMOOGRA.—*Hydnocarpus*, spot, 1s. 6d. per lb., in tins in cases.

CHILLIES.—Values stand as previously quoted. Mombasa is the only variety available, for which 115s. per cwt., sellers, is the current price.

CLOVES.—Spot, 1s. 2d. per lb., sellers; second-grade, to arrive, 10d. per lb., c.i.f., sellers.

COCHINEAL.—Spot supplies of blacks in first hands appear to be exhausted.

COLOCYNTH.—Spot prices range from 2s. 10½d. to 3s. 1½d. per lb., according to colour.

DIGITALIS LEAVES.—Portuguese leaves may be purchased on spot at 135s. to 140s. per cwt., according to holder; English-grown leaves, 2s. 6d. per lb.

DRAGON'S BLOOD.—In exceedingly poor supply on spot; £23 per cwt. would be wanted for any available Zanzibar drop.

ERGOT.—Spot supplies are not plentiful. Price from 6s. 3d. to 6s. 6d. per lb., according to holder.

GUM ACACIA.—Quiet conditions obtain for this item, with values unchanged. Kordofan cleaned sorts, spot, 80s. per cwt.; bleached; shipment, 140s., c.i.f.; Talha, cleaned, 50s. per cwt., landed.

HENBANE.—Indian leaf, spot, 250s. to 275s. per cwt., according to holder, with some low-testing material at 1s. 3d. per lb. Russian leaf is available at 3s. 6d. per lb.

IPECACUANHA.—No change in the position as previously reported.

JALAP.—Present spot stocks are small, with little likelihood of replacement. Any available lots of Brazilian, 13 per cent., would be worth 180s. to 200s. per cwt.

KAMALA.—Material with ash under 6 per cent. would bring in 1s. 9d. per lb.

MENTHOL.—Inquiry continues, but no supplies appear to be offering at controlled prices.

MYRRH.—Spot price of Aden sorts remains unchanged at £20 per cwt.

NUTMEGS.—West Indian, spot, wormy and broken, 1s. 4½d. per lb.; spot unassorted, 1s. 7½d.

NUX VOMICA.—Cochin continues to be offered on spot at 40s. per cwt.; shipment, 35s., c.i.f.

ORANGE PEEL.—Unobtainable on spot at present.

PIMENTO.—Sellers on spot at 1s. 5d. per lb.; shipment prices are not quoted.

QUILLAIA BARK.—Crushed or cut, spot, 90s. per cwt.; natural, 75s.; shipment, 60s., c.i.f.

RHUBARB.—Rough-round may be bought on spot at 9s. 6d. per lb.; flat, high-dried, would be worth 10s. Shensi is not available.

SARSAPARILLA.—Dealers report native red, in small compass on spot, at 4s. 6d. per lb.

SEEDS.—A little inquiry is being received, but business in most imported varieties is exceedingly quiet. Current rates are: CORIANDER.—Indian, 80s. per cwt. CUMIN.—Maltese, spot, 110s.; Indian, 105s. DILL.—160s., ex wharf. FENNEL.—Offered at 85s. FENUGREEK.—May be had at 80s. MUSTARD.—Controlled prices are unchanged.

SENNA.—Alexandrian medium pods are at 4s. per lb.; Tinnevely, manufacturing grade,

6d. to 6½d.; hand-picked, 8½d. to 1s.; broken Alexandrian leaves, 1s. 3d. to 1s. 4d.; siftings, 1s. 2d.; Tinnevely, No. 1, 9d. to 10½d.; No. 2, 7d. to 7½d.; No. 3, 5½d. to 6d.

SQUILL.—The spot quotation for Portuguese bulb is steady at 75s. per cwt., and that for Indian at 70s.

TRAGACANTH.—The principal medium grades are quoted as follows: No. 1, white, £130 per cwt.; No. 2, white, £115; No. 3, white, £100; No. 4, white, £85; pale leaf, £60; amber leaf, £50; dark amber, £40; brown leaf, £30; red-and-brown leaf, £25; red leaf, from £20; hoggy, £12 to £15.

TURMERIC.—Madras finger, sound-quality, spot, 52s. 6d. per cwt., London; 50s., Liverpool 47s. 6d., Glasgow.

WAXES.—**BEES'.**—Supplies may be obtained only through members of the Association of Merchant Distributors of Beeswax; official prices are as follows: Crude, 260s. to 290s. per cwt.; refined, 315s. to 355s.; bleached, 340s. to 370s.; Calcutta crude, 250s. to 270s.; Calcutta bleached, 325s. to 335s. **CARNAUBA.**—Fatty grey, 435s. per cwt., ex store, in minimum one-bag lots; shipment, 385s., c.i.f.; Primeira, 535s. per cwt., ex store, with stocks scarce; medium yellow, 527s. 6d. per cwt.; chalky grey, 425s. per cwt.; shipment, 375s., c.i.f. (c.i.f. prices include ½ per cent. W.R.I.). **CANDELLILLA.**—Under 1 ton, 235s. per cwt.; 1-5 tons, 232s. 6d.; 5 tons and over, 230s., ex store; forward, 225s. per cwt., c.i.f.

Essential and Expressed Oils

ANISE (STAR).—Odd packages are reported to be occasionally offered for which about 145s. per lb. is mentioned.

BAY.—Any available spot supplies would be worth approximately 12s. per lb.

CASTOR.—Controlled price for bulk lots is £92 per ton for firsts and £90 for seconds, both naked ex works.

CINNAMON.—Leaf oil, on spot, would be worth about 15s. 6d. per lb., if available.

CLOVE.—Genuine B.P. oil is quoted by English distillers at 11s. 6d. to 12s. per lb., according to quantity.

EUCALYPTUS.—Spot supplies are difficult to find. Price of any available lots would be in the region of 6s. 9d. per lb.

GERANIUM.—Genuine North African oil, spot, 85s. to 90s. per lb., according to quantity.

GINGERGRASS.—May be obtained on spot at 22s. 6d. per lb.

GROUNDNUT.—Controlled prices for bulk supplies are as follows: Refined deodorised, £58 per ton; refined hardened deodorised, to 40°, £62; refined hardened deodorised, to 50° to 52°, £63; all naked ex works.

LEMONGRASS.—Very short, with price nominal.

NUTMEG.—English distillers quote 40s. per lb., with lower prices for quantities.

PEPPERMINT.—A price of 160s. per lb. is being mentioned for odd lots of Chinese oil.

TRADE MARKS

(From "The Trade Marks Journal," March 29)

"SEVILLOX"; for pharmaceutical laxative preparations (5). By The Dubarry Perfumery Co., Ltd., Goldstone Laboratories, Hove Park Villas, Hove, Sussex. 625,549.

"MONTE IODATED CURATIVE SALTS THE SOURCE OF GOOD HEALTH," with design of mountain, spa, etc.; for iodated saline preparations (5). By Montecatini Spa Products, Ltd., 52 High Holborn, London, W.C.1. 625,505.

"CELTAN"; for pharmaceutical preparations for human use for application to the skin (5). By Cellon Laboratories, Ltd., 380 Richmond Road, Kingston-on-Thames. 626,147.

"EUCOPINE"; for disinfectants, deodorants and antiseptics, all prepared from pine extracts or pine essences (5). By Pearson's Antiseptic Co., Ltd., 172 Buckingham Palace Road, London, S.W.1. 626,305.

"ODEON"; for pharmaceutical preparations (5). By Cinema Electric Commodities, Ltd. Henley House, Curzon Street, London, W.1. 626,407.

"PATUCURE"; for pharmaceutical preparations and substances, disinfectants, medical and surgical plasters (5). By P. Rowland Hill (The Oakham Packing Co.), Main Street Wymondham, Melton Mowbray, Leicestershire. 626,469.

"EXAVERM"; for rat and vermin-destroying preparations (5). By Brook, Parker & Co. Ltd., Ashfield, Horton Road, Bradford 626,515.

"GYNILINE"; for pharmaceutical preparation for treatment of menstrual disorders (5). By Roslin Chemicals, Ltd., 99 Oakland Road, London, N.W.2. 626,614.

"NEODEENAL"; for all goods (5). By Brande Pharmaceuticals, Ltd., 3 to 4 Little Russell Street, London, W.C.1. 626,832.

APPLICATION AMENDMENTS

According to "The Trade Marks Journal," March 29, 1944, specification No. 623,72 by Meggeson & Co., Ltd., has been altered so as to read: "All goods included in Class 5 except ointments and goods of the same description as ointments and milk food being infants' and invalids' foods."

According to "The Trade Marks Journal," March 29, 1944, specification No. 625,858 by A. Wander, Ltd., has been altered so as to read: "Pharmaceutical preparations and substances, but not including insect powders."

(From "The Trade Marks Journal," April 5)

"UNGVITA"; for medicated ointments for human use (5). By Nicholas Proprietary Ltd., 10 City Road, South Melbourne Victoria, Australia. B623,034.

"GRA-PEX"; for liquid pharmaceutical preparations for internal human use (5). By Trinity Laboratories, Ltd., Brook House Old Mill Street, Blackburn. 624,998.

"LOREX"; for all goods (5). By Koray, Ltd. 56 Gamage Building, Holborn, London E.C.1. 625,965.

MISCELLANEOUS INQUIRIES

Preservative for Cider.—*W. M. N.*—The best preservative for home-made cider is benzoic acid, not exceeding gr. 5 to the pint.

Hair Rinses.—*H. B.*—Rinses are made up of aniline colour 1, tartaric acid or citric acid, 99. The colours are water-soluble, and are obtainable in shades of light blonde, golden blonde, light, medium and dark henna, medium and dark auburn, jet black and blue black. The colour and acid are mixed and sold dry. Water is added at the time of application.

Cloth for Plaster.—*A. P.*—The base cloth for medicinal adhesive plaster weighs not less than $3\frac{3}{4}$ oz. per sq. yd., and the weight of the adhesive is not less than $\frac{3}{4}$ oz. per sq. yd. The cotton cloth is composed of yarns of good uniform grade, and is well bleached to a good white and clean. The average number of threads per in. is not less than 72 in the warp and not less than 70 in the weft. The tensile strength of the warp is not less than 45 lb. per in. width of the cloth.

Male Fern for Dogs.—*N. I.*—The dose of oil of male fern for tapeworm in a medium-sized dog is about dr. $\frac{1}{2}$. Larger doses, especially the first, on an empty stomach sometimes give rise to gastroenteritis, and there are recorded cases of considerable absorption taking place. The liquid extract should be freshly prepared, as it deteriorates on keeping. It is often ineffectual in dogs, and it may be preferable to give freshly grated areca nut (gr. 2 to each lb. weight of the dog).

Black Ink.—*H. D. C.*—Your stipulation that the ingredients should be obtainable without difficulty in present circumstances cuts out most of the well-tried formulas for black ink. If you can obtain some aniline black you would be able to produce a reasonably good preparation of one of the following formulas:—

I				
Aniline black	..	..	..	2 oz.
Acetic acid	..	..	..	2 oz.
Acacia	..	..	..	2 oz.
Water	..	..	..	1 gall.

II				
Aniline black	..	..	..	1 oz.
Pyrogallic acid	..	..	..	$\frac{1}{2}$ oz.
Ferrous sulphate	..	..	..	2 oz.
Water	..	..	..	1 gall.

Place the aniline black in a jar and pour on to it the acetic acid, diluted with 8 oz. water. Separately dissolve the acacia in a few ounces of water, add to the rest of the water, and pour into the jar, shaking well

to dissolve. Dissolve the aniline black and ferrous sulphate in most of the water, and the pyrogallic acid in the remainder. Mix.

Athlete's Foot.—*T. Y.*—The need for extreme caution in the treatment of this condition (see *C. & D.*, April 8, p. 404) requires to be emphasised. Though the preparation was described by a transatlantic writer as non-corrosive, moisture must be rigidly excluded or the circumstances are at once changed. A case is on record in which a somewhat similar mixture (phenol 4; camphor 1) was used in the treatment of ringworm. It was applied diluted with water and produced fatal results. Unless you can be certain that adequate medical supervision will be given, it is wiser to adopt a remedy such as Whitfield's ointment (benzoic acid, 5 per cent., salicylic acid, 3 per cent.).

Vitamins Under Pressure Cooking.—*E. C.*—The claim usually made for pressure cookers is that the higher cooking temperature results in a more complete breakdown of the cell structure of foods than by ordinary cooking methods, thus assisting assimilation. Little protein is lost. A large proportion of the mineral salts is retained, and the loss of carbohydrates is insignificant. It is believed that part of the content of vitamin-B complex is destroyed at boiling point, and certainly at 120°C .; while it is unlikely that this temperature is attained in pressure cooking, the margin of safety is probably narrow. Destruction of vitamin C by heat is small at boiling point but increases rapidly as the temperature rises above 100°C . In the presence of oxygen, ascorbic acid oxidase, which is almost always associated with vitamin C, is converted into dehydro-ascorbic acid, the enzyme becoming increasingly active as the temperature rises from atmospheric to about 40°C ., but becoming completely destroyed at about 80°C . In raw foods, dehydro-ascorbic acid is reconverted into vitamin C within the body, but cooking renders the compound inconvertible.

"C. & D." Quiz No. 26.—The answers to the questions on p. 446 are: 1. Cevadilla. 2. A pigment from lichens, chiefly *Rocella tinctoria*. 3. Canella bark. 4. The dried latex of *Achras Sapota* and other plants used in manufacture of chewing gum. 5. From *rubidio*, darkest red, from the colour of its flame. 6. Antimonious oxychloride. 7. Cobalt zincate, CoZnO_2 . 8. Derris. 9. Cæsius, the blue colour of the sky, from its flame test. 10. Extract of suprarenal cortex.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Polypharmacy

SIR,—The "omnibus" prescriptions itemised in two recent issues of the *C. & D.* (March 18, p. 306, and March 25, p. 352) are an eye-opener on present-day prescribing. In fact, it would be true to say that a really well-balanced script is rare. Even in good-class pharmacy the mixtures of the B.P.C., 1934, are rarely prescribed, and it is apparently the case that the better class the practice the worse the prescribing! Here, for example, is a prescription I dispensed a few days ago for a patient of tender years:—

R	Bisodol	℥ii.
	Pulmo Bailly	℥iv.
	Tr. nuc. vom.	℥xxxvi.
	Syr. tolut.	℥vi.
	Aq. anethi	ad ℥vi.
	℥ss	3ds. ex aq.

Does the doctor know the constituents of the first two items? I doubt it. With this sort of thing to contend with, it is no wonder the Council of the Pharmaceutical Society wants the examination syllabus revised.—Yours faithfully,

ASSISTANT M.P.S.

A Trade Opinion of the Metric System

SIR,—Your editorial in last week's issue of the *C. & D.* (p. 419), commenting on the efforts of the Decimal Association to press for compulsory adoption of the metric system, will, no doubt, cause many readers to speculate on the proposed change. Surely the argument put forward by the Association that adoption would parallel the sponsoring of Basic English is an unfortunate one, since one of the primary objects of Basic English is to further the knowledge of the English language, and English customs and institutions throughout the world. It is doubtful whether the metric system is any more scientific than our highly practical Imperial system which, like the Mother of Parliaments, has its roots deep in the past, and has been adapted and improved through the centuries. It goes back to the English talent, a weight two-thirds of the Roman-Alexandrian talent, which in turn was derived from the royal cubit and foot of ancient Egypt. It may not be out of place to recall what Herbert Spencer said of the the metric system:—

"When, fifty years after its nominal establishment in France, the metric system was

made compulsory, it was not because those who had to measure out commodities over the counter wished to use it, but because the government commanded them to do so, and when it was adopted in Germany under the Bismarckian regime we may be sure that the opinions of shopkeepers were not asked."

Far from assisting British manufacturers to recover and increase the country's export trade, the change would be more likely to throw our export trade into chaos and confusion for years, bearing in mind that many industries would have to scrap their entire machinery to accommodate the new system. Your editorial comment opened with the observation that the use of the metric system has been optional in this country for forty-seven years. The fact that the system has made so little progress here in nearly half a century is the best answer to those who press for legal compulsion.

Yours faithfully,
EXPORT MANAGER.

Liverpool.

Retail Supply Difficulties

SIR,—Some manufacturers seem to be considering their own convenience, and the retailer's not at all. One firm with which I have been a customer for years (and always paid promptly) refuses to supply me with goods because I had nothing direct during a certain period of 1939. Others have cut me down drastically, so that I have to seek alternative sources of supply. On the other hand, some suppliers have been so considerate that I have scarcely missed the goods lost from the former class, who, ultimately, will be the sufferers. I find that a "war complex" prompts the customer to buy something else if he cannot get what he first asks for. The result is that articles which the customer cannot buy are becoming forgotten. New habits are being formed and certain proprietary articles are dying out. I notice that quite one-quarter of my former proprietary items are no longer in demand; against this, the products of the considerate manufacturers are increasing in sales, and are being asked for by the public more and more. I know circumstances for the manufacturers are difficult, but dictatorial methods are not good for business. After all, the retailer's object is turnover and not to be an agent for certain nearly unprocurable "patents."

Yours faithfully,

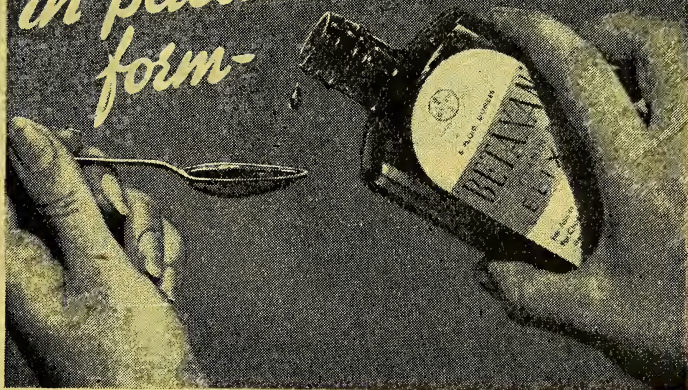
Taunton.

W. VARLEY.



VITAMIN B₁

*in palatable
form-*



'BETAXAN' ELIXIR is the most agreeable way of taking this essential vitamin—and it goes down well with the children. Each teaspoonful contains 0.675 mg. of 'Betaxan.'

Bottles of 8-ozs. (2/10d. nett) retail at 4/9d. inclusive of purchase tax (U.K. price).

Bonus terms for counter display.

MADE IN
ENGLAND

P.A.T.A.

Betaxan
TRADE MARK
BRAND OF
ANEURIN HYDROCHLORIDE B.P.
Elixir



C H E M I C A L S
P H A R M A C E U T I C A L S
H E R B S & D R U G S
M E T A L S & O R E S
B O N E S & F E R T I L I S E R S
C A T T L E F O O D
O I L S & F A T S
W A S T E & B Y - P R O D U C T S

J.C. Gilbert LTD

**COLUMBIA HOUSE
 ALDWYCH
 LONDON, W.C.2**

NEW YORK • MONTREAL • BUENOS AIRES • RIO DE JANEIRO • SYDNEY

To Owners of Proprietary Preparations

Can we assist you with your
 Manufacturing Problems in
 South Africa?

MANUFACTURING LABORATORIES

(PROPRIETARY) LTD.
 52 SIMMONDS STREET,

JOHANNESBURG

will undertake under licence or
 Royalty the manufacture of British
 Proprietaries and ethical products.
 Such goods can be marketed
 through principals own agents.

For particulars apply to:—

**ANGLO-AFRICAN SHIPPING CO.
 (S.A.) LTD.**

1 Throgmorton Street, LONDON, E.C.2

"Eagle" Brand Chemicals

**B.P.
 PRECIPITATED
 SULPHUR**

**PHOTOGRAPHIC
 H Y P O
 AND
 SULPHITE
 — CRYSTALS and ANHYDROUS —**

**EPSOM SALTS
 GLAUBER SALTS
 ARSENIATE OF LEAD**

Enquiries Invited

JOHN RILEY & SONS, LTD.

Chemical Manufacturers

HAPTON near BURNLEY

Telegrams
 "Rileys Hapton"

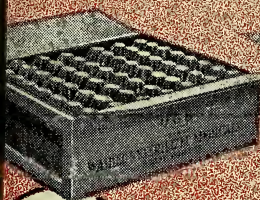
Telephone
 Padiham 290/1

GREATER
THAN EVER IS THE
DEMAND FOR

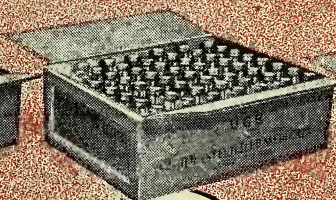


U.G.B.

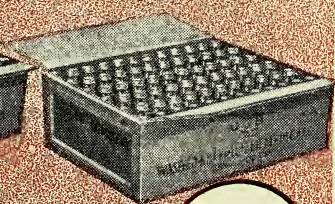
MEDICAL BOTTLES



**CORK
MOUTH**



**WHITE
ENAMELLED
METAL
SCREW-CAP**



**KORKALITE
MOULDED
CAP**

**WASHED AND STERILISED
—READY FOR USE—
THE IDEAL
DISPENSING BOTTLE
IN ANY EMERGENCY**

UNITED GLASS BOTTLE

MANUFACTURERS LTD.

*The Largest Manufacturers of Glass Bottles
in Europe*

8 LEICESTER STREET, W.C.2

Telephone: GERRard 8611 (10 lines)

Telegrams: Unglaboman, Lesquare, London



SAVES STEEL AND MONEY

FIXED
RETAIL PRICE

2/1 (Including
Purchase Tax)

EACH PACKED IN A
SEPARATE CARTON
WITH INSTRUCTIONS
FOR USE.

ATTRACTIVE WHOLE-
SALE TERMS ON
APPLICATION TO THE
MANUFACTURERS.

BY MAKING ONE SAFETY-RAZOR BLADE
LAST FOR HUNDREDS OF SHAVES.
THESE HONES ARE MADE IN GLASS
OF UNIQUE PROPERTIES WITH A
SPECIALLY PREPARED SURFACE AND
ARE PATENTED THROUGHOUT THE
WORLD.

WOOD BROS. GLASS CO., LTD.

(DEPT. H.1)

ESTABLISHED 1828

BARNSELEY

TELEPHONE 3637-8-9

ENGLAND

TELEGRAMS: "WOODS, BARNSELEY"

B R O M I D E S

(AMMONIUM POTASSIUM SODIUM, B.P.)

regularly available for export to
Near, Middle and Far East and Australasia

produced by

PALESTINE POTASH LTD.

Sole Selling Agents

C. TENNANT SONS & CO. LTD.

Reg. Office:
67 Pall Mall,
London, S.W.1

(One of the TENNANT GROUP of COMPANIES)

15 America Square, LONDON, E.C.3

Potash House,
King George
Avenue,
JERUSALEM.

Submit enquiries to joint sub-selling agents

HOWARDS & SONS, LTD., ILFORD, ESSEX

WHIFFEN & SONS, LTD., FULHAM, S.W.6

FOR
BARKS
ROOTS
HERBS & GUMS
WHOLE
CUT
or POWDERED

TRY—
BROME & SCHIMMER
BOTANICAL DRUG AND SPICE MERCHANTS
4 LEATHER MARKET
LONDON, S.E.1

Tel: HOP 0825-6-7 Cables: Bomchim, London
Telegrams: Bomshim, Sedist, London

Specialists in Crude Drugs

G U M S

Acacia
Tragacanth
Karaya
Benzoin
Copal
Mastic
Dammar

SHELLACS

and

WAXES

Japan Wax, White
Bees Wax, Candelilla
Wax, Carnauba Wax

In natural and powder form

Official Agents

ANGELO BROS. LTD
SHELLACS

*Please note we are
Members of:—*

The Shellac Distributing Agency Limited
The British Shellac Bleachers' Association
The British Varnish Gum Merchants' and
Graders' Association

A. F. SUTER & CO. LTD.
Victory Works, 83/84 Eastway, Hackney Wick
London, E.9 Phone: AMHerst 2275/6



BROVON

ASTHMA INHALANT

RELIEVES ASTHMA
ALMOST IMMEDIATELY.

SAFE, STABLE, ACID-FREE.
EXTENSIVELY ADVERTISED.

GENEROUS TERMS.

REFUND OFFER PROTECTS
YOU AGAINST LOSS.



A range of
inexpensive
inhalers is available.

P.A.T.A.

Literature and sample sent on request.

MOORE MEDICINAL PRODUCTS LTD.
ABERDEEN - Scotland

In **South Africa** and **Rhodesia**

The Leading Chemists are
LENNONS

They have been established in all centres of
any importance for many years and offer
modern facilities for manufacturing
as well as Wholesale and Retail
Distribution throughout
the territory.

★ If you are seeking reputable representatives or
desire information about the market write to:

LENNON LIMITED
12-14 LAFONE STREET
LONDON, S.E.1
TELEPHONE · HOP. 0181

JKL

ALOES
BALSAM PERU
CARRAGEEN MOSS
DATURA METEL,
Leaves and Seeds
HENBANE LEAVES
QUASSIA CHIPS
QUILLAIA BARK
STRAMONIUM LEAVES
VALERIAN ROOT
and others

JOHN KELLYS (LONDON) LTD.
24 OLD BROAD STREET, LONDON, E.C.2
Telephone : KEL 6186 (4 lines)
Telegrams : "Ergotine, Stock, London."

A BRITISH PRODUCT

The Standardised Antiseptic
for
EYE DROPS
EYE SOLUTIONS
ETC.

NIPASEPT

REGD
TRADE MARK

Ester Compounds of
p-Hydroxybenzoic Acid

NIPA LABORATORIES LTD., TREFOREST TRADING ESTATE, Near CARDIFF

or their Sole Distributors for the U.K. and British Possessions

V. SAMUELSON & CO., 17 Creechchurch Lane, London, E.C.3.

Telephone: AVENUE 5874-3



**LUCULLUS
BRAND**

**VERMOUTH
HERBS for
Export**

CULINARY HERBS
Packets and Bulk
**HERBAL SMOKING
MIXTURE**
Bulk Quantity

R. BROOKS & CO.
(H. LUCAS J. L. H. LUCAS)
27 MAIDEN LANE
LONDON, W.C.2
Phone: TEMPLE BAR 9464-2891

GALE & MOUNT L^{TD}

28 PONT STREET, LONDON, S.W.1.



*Manufacturing Chemists
Chemical Merchants*

**PINE
FRACTIONS
TURPENTINE
SUBSTITUTE**

Telephone: KENSington 4477-5

Announcing "ISOBROM" BRAND BROMISOVALERYLUREA TABLETS 5 GRAINS

**AN ENTIRELY NON-TOXIC,
NON-HABIT FORMING and NON-CUMU-
LATIVE MILD HYPNOTIC AND SEDATIVE**

ISOBROM is an absolutely safe, mild hypnotic and sedative, with no secondary or after-effects, no cumulative action, and well tolerated. No symptoms of depression are felt by patients when awakening in the morning.

The action of ISOBROM is midway between that of the

Barbiturates on the one hand, and of the Bromides and Valerian on the other. It is less drastic than Barbiturates, more efficacious than Bromide or Valerian, and in therapeutic dosage may be administered for any length of time without the slightest ill-effects.

**CLINICAL PRODUCTS LTD.
2 THE GREEN, RICHMOND, SURREY**

**ORDER YOUR
STOCKS OF ISO-
BROM TABLETS
AT ONCE. OUR
MEDICAL REPRESENTATIVES ARE
CALLING IN YOUR
AREA.**



**In bottles of
25 and 100
tablets.**

Obtain smalls through your wholesaler.

For best direct terms apply to the sole manufacturers:

**CLINICAL PRODUCTS LTD.
Richmond, Surrey.**

A 100% SALES LINE...

It's unrated, easily prepared; a malted tonic food produced from the soya bean—nature's most nutritious food. Concentrates in a cup practically every essential nourishment. Economical in use, AND CAN BE MADE WITH HOUSEHOLD MILK.

Full supplies and quick turnover assured; prompt deliveries



JENNER'S

MALTED

Soyacream

RETAIL PRICE 2/- per $\frac{1}{2}$ lb. tin

**SPLENDOR LTD., 7c Lower Belgrave St., S.W. 1
and 5 Beastmarket Hill, Nottingham**

CARIA RADIIUM RADIO ACTIVE

MEDICINAL MUD PREPARATIONS.

Consensus of the most eminent medical opinion is unanimous on one important point—that radium is of great benefit to humanity.

Caria Radium Preparations are entirely new, incorporating and consisting of Caria Radium Spa Mud. This mud is proved by analysis to contain a greater degree of Radio-activity than many other similar types of mud. It is a natural radio-active mud, derived from the celebrated Caria Radium Spa and has been specially investigated and recommended by an expert pupil of Professor Curie, famous discoverer of Radium.

SKIN BALM

rich in radio-activity

Invaluable to sufferers from skin blemishes, Acne, Eczema, Blotches, Pimples, etc.

PRICES INCLUDING P.T.

Retail : 2/9 per jar.	Wholesale : 18/- per doz.
5/2½ " "	34/- " "
9/7 " "	63/- " "



Enjoy a unique spa treatment in your own home.

Obtainable at all high-class stores and chemists.

**CARIA RADIIUM, LTD.
131 Regent Street, London, W.1**

Copyright Design.

TRADE **Vaseline** MARK

BRAND

PREPARATIONS

CHESEBROUGH MANUFACTURING CO. LTD.

VICTORIA ROAD, WILLESDEN, N.W.10

Sole Distributors for

THE PINEOLEUM COMPANY

The Chesebrough Manufacturing Company Ltd. list below the available sizes of "Vaseline" White and Yellow Petroleum Jelly and "Vaseline" Brand Petroleum Jelly Preparations, which are released through the Wholesale Sundriesmen according to the availability of raw materials.

	Pre Tax Retail Price	Suggested Retail Price with P. Tax
"Vaseline" Blue Seal Yellow Petroleum Jelly		
No. 1 size bottles	4½d.	5d.
"Vaseline" Yellow Petroleum Jelly		
No. 2 size tins	3d.	3½d.
1-lb. tins, round. (See footnote.)		
7-lb. tins, square. (For Dispensing.)		
"Vaseline" White Petroleum Jelly		
No. 1 tins	3½d.	4d.
No. 1 size bottles	6d.	7d.
1-lb. tins, round. (See footnote.)		
7-lb. tins, square. (For Dispensing.)		
"Vaseline" Veterinary Petroleum Jelly		
2-lb. tins, round	2/3	2/6½
★ "Vaseline" Capsicum Petroleum Jelly		
Bottles	1/-	1/1½
★ "Vaseline" Carbolated Petroleum Jelly		
Bottles	1/-	1/1½

★ **P.A.T.A.**

IMPORTANT—The 1-lb. tins of "Vaseline" Petroleum Jelly, both Yellow and White, above quoted, must not be offered for sale to the public, as under the Control of Packaging (No. 1) Order, 1942, this size tin must be sold only to Hospitals, Clinics, Doctors and Allied Medical Professions.

"VASELINE" HAIR TONIC and "VASELINE" SOAPLESS SHAMPOO

Supplies of the above preparations, controlled by the Limitation of Supplies (Toilet Preparations) Order, will continue to be dispatched direct to you. All quotas are being dealt with in rotation as restricted supplies become available.

"Vaseline" Hair Tonic

No. 1 size bottles 1/6 2/7½

"Vaseline" Soapless Shampoo

Packets 4d. 5d.

**WE REQUEST YOUR CONTINUED INDULGENCE FOR ANY
INCONVENIENCE CAUSED BY CONDITIONS BEYOND OUR
CONTROL**

FENNINGS

FAMOUS FOR OVER 80 YEARS

PATA

FENNINGS' FEVER MIXTURE ... 1/3 a bottle

(If difficult to obtain write direct to Messrs. SUTTON & SONS, 12 Brandon Rd., London, N.7.)

FENNINGS' LITTLE HEALERS

For Coughs, Colds, Bronchitis, etc. 3/- glass tubes and 6/- Carton of 12 Packets, retailing at 6d. each.

FENNINGS' OINTMENT. Demand Steadily Increasing

For Cuts, Burns, Bruises, Chilblains, and all skin irritations. 1/3 a tin.

FENNINGS' WHOOPING COUGH POWDERS

FENNINGS' WORM POWDERS

FENNINGS' STOMACH STRENGTHENERS

FENNINGS' RHEUMATIC AND ERYSIPELAS DROPS— 1/3 and 3/- boxes

Please address orders and inquiries to your Wholesaler

N.B.—FENNINGS' COOLING POWDERS (Children's and Adults')
are at present in short supply, owing to war conditions, but every endeavour is being made to execute orders

PROPRIETORS: THE TRUSTEES OF ALFRED FENNINGS (DECEASED)
COWES, Isle of Wight

When you come to



Old friends are best—remedies the public has been asking for over the past fifty years are there in the right column. The National Digestion will, some time, have to work its way out of austerity diet, and then as now there'll be very good demand for

BOX'S PILLS

PATA

Retail Prices

1/3, 3/-, 4/10½, 12/-, 21/9

Including Purchase Tax

W. H. BOX, KING STREET, PLYMOUTH

Teething
Mothers are always grateful if you recommend

DRURY'S
INFANTS' PRESERVATIVE

The safest and most reliable remedy for Crippling Pains. Wind, Restlessness and other distressing complaints.

Supplies still available Enquiries are invited

JOHN H. SMITH & CO. AND WHOLESALE AND MANUFACTURING CHEMISTS
BRIDGE STREET NEWARK - ON - TRENT

LIMITED QUANTITY

FULLERS EARTH

24/- Gross Packets

Also available:

EPSOM SALTS, GLAUBER SALTS
BICARBONATE SODA, 18/- gross packets

Special Terms to Wholesalers

ASHLEY & WEEKS, LTD., 165a Mitcham Road, S.W.17

PHENIODOL B.D.H. A contrast medium for oral administration in cholecystography.

Bottles of 25 grm.

Wholesale 16/8 each. Retail 25/- each.

Pheniodol B.D.H. is also issued in the form of Pheniodol Meal B.D.H., with which a smooth and uniform suspension in water can be readily prepared.

PHENIODOL MEAL B.D.H. Tubes containing 6 grm. (one dose)

Box of 1 tube
Wholesale 2/6 each. Retail 3/9 each.

Box of 6 tubes
Wholesale 15/- each. Retail 22/6 each.

EXEMPT FROM PURCHASE TAX

PHENIODOL B.D.H. is being advertised in the medical press and pharmacists are advised to be prepared for enquiries and orders.



MECCA PASTILLES

(The Chemists' Cough Pastilles)



Limited quantities only available
Make sure of your supply



All correspondence direct to

ROBERT GIBSON & SONS, LTD.
MANCHESTER & LONDON

We are Manufacturers
of

**BROMISOVALERIANYLUREA
ISOVALERIC ACID DERIVATIVES
SUCCINIC ANHYDRIDE**

Organic-Synthetic Products

Pharmaceutical Chemicals
and

Intermediates

CHEMI-SYNTHETICS LTD.

Cubitt Town Wharf
Saundersness Road
LONDON, E.14
Phone: EAST 3858/9

Push PLESOX for PROFIT

A first class formula—PLESOX—"Nature's Partner," once sold is a strong repeat seller. Strongly and consistently advertised in national and provincial press, on buses and tubes in London, on buses in provinces.

In addition, generous discounts and terms make PLESOX an attractive proposition. Order small trial supply in attractive counter display.

FOR TREATING
DYSPEPSIA, ACIDITY, GASTRITIS
EMMET DISTRIBUTING CO., LTD.

140 Park Lane, London, W.1.
(Tel.: MAYfair 6756/7/8)

Sole Distributors for GRANTO LABORATORIES LTD.

TRADE DISCOUNT

33 1/3%



2/3,
6/8
on the
PATA

The 7^D
PRUNOL
sells on sight
KEEP IT TO THE FRONT

Prunol continues to increase in public favour. It is in constant demand for children and adults. Supplies are still available for prompt delivery from all wholesale houses.

Prunol sells at 7d. & 1/6 (including tax)

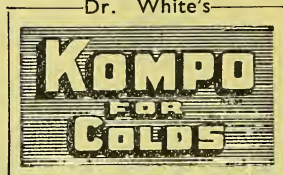
PRUNOL PROPRIETARIES LTD.
Sales Dept.

Northington House
NORTHINGTON ST., LONDON,
W.C.1

Prunol
PASTILLES
THE IDEAL FRUIT LAXATIVE



Dr. White's



Manufactured only by

J. F. WHITE & CO., LTD.

Lovington Laboratory, Benson St., Leeds, 7

WORTH STOCKING "LYCO" YEAST TABLETS

are being regularly advertised as an excellent TONIC for tiredness, constipation and blood out of condition, and Sales are steadily increasing.

Retail prices 10½d., 1/6d. and 2/9d.

Please order from your Wholesale House.

THE STANDARD YEAST CO., LTD.
CHISWICK, London, W.4.

SAMONA

**75% OF YOUR
CUSTOMERS
NEED**

SAMONA

The well known Restorative

This wonderful Medical Restorative BRINGS IMMEDIATE RELIEF IN ALL CASES OF NERVE STRAIN, DEPRESSION, TIRED and LISTLESS APPEARANCE, MENTAL and PHYSICAL EXHAUSTION.

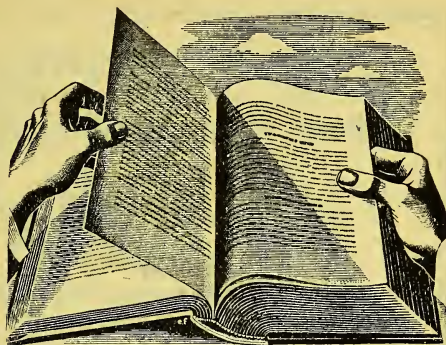


SAMONA LTD., Northington
House, Northington Street,
LONDON, W.C.1

PRICES (including purchase tax)

3/5 and 5/7½

(more than double quantity)



IODINE mystery story

IT may seem strange to some of us to call iodine a mystery when so much is already known. Isn't iodine an element, vital to life and health? Isn't it true that no organism can live without it? It is the best known germicide, and for some purposes the only effective one. It is a counter-irritant, an aid in arthritis and rheumatism, a specific in the prevention of goitre. Lack of it will kill animals as well as men. Its importance is recognised and growing. Where is the mystery?

The mystery lies in what is yet to be discovered. Biochemists, veterinary surgeons, industrial scientists, working on a hundred facets of the subject, are finding in iodine one of the most fascinating problems of research. Consider some of iodine's recent applications: "Thermometer" Paints, which reveal in colour changing temperatures; Polaroid, which makes possible such diverse magic as non-glare headlights, stereoscopic films and visible representation of changing strains in plastic materials; and infra-red photography which makes hitherto invisible things visible.

So many new facts have been brought to light in the last hundred years that it has been necessary to set up an organisation to disseminate this knowledge. This organisation is the IODINE EDUCATIONAL BUREAU. It was formed in 1938. The services of this bureau are available free to any industrial or commercial undertaking with an iodine problem.

Iodine Educational Bureau

STONE HOUSE, BISHOPSGATE, LONDON, E.C.2

PEROX CHLOR

Keene's Laboratories Limited will be glad if chemists who were selling Perox Chlor before the war and who now have a difficulty in getting reasonable supplies will write direct to their office at 46 Elswick Rd., Newcastle-on-Tyne 4

Living Profit Guaranteed 46 Years on the P.A.T.A.
Awarded Certificate of Merit at the Tasmanian
Exhibition, 1891

KEARSLEY'S (150 Years' Reputation)
**WIDOW WELCH's Original
FEMALE PILLS**

9d. BOX PROFIT by ordering 1 dozen 2/10 size.
Bonus box given on every dozen (13). It pays to
push this size. Order from your Wholesale House.
N.B.—These Pills do not contain any deleterious
or prohibitive drugs, and can be sold with safety.

C. & G. KEARSLEY, LTD.
71 DARTMOUTH RD., FOREST HILL, LONDON, S.E.23
Established 1787 In the Reign of King George III

Dr. J. Collis Browne's Chlorodyne
and
The Pharmacy and Poisons Act, 1933

Dr. J. Collis Browne's
CHLORODYNE

SALE RESTRICTED TO REGISTERED CHEMISTS

PURCHASER'S SIGNATURE NOT REQUIRED



Sole Proprietors:

J. T. DAVENPORT LTD.
UNION ST., LONDON, S.E.1

PATA

CONTROL OF HEAD LICE

Nits and Head Lice can now be dealt with quickly and economically without unpleasant evidence of treatment.

An N.W.F. formula now being used extensively by Public Health Authorities.

'Semprolia'
BRAND

MEDICATED (LETHANE) HAIR OIL N.W.F.
Insecticide for control of Nits and Head Lice



**'SEMPROLIA' MEDICATED (LETHANE) HAIR OIL IS
IN URGENT AND RAPIDLY INCREASING DEMAND**

Retail (2-oz.) 1/1½d. including P.T. List 8/- doz
Packed in 2-dozen outers.

STEMCO LTD., 128, Albert Street, London, N.W.1
Agents in Eire.—May Roberts (Ireland) Limited, Dublin.

30 lb. of PRIME BEEF are required to
produce 1 lb. of

WILSON'S PURE CONCENTRATED **EXTRACT OF BEEF**

An invaluable aid to weak digestions and those in failing health. Builds up the system and restores vitality and jaded nerves. An excellent and economical medium for enriching all made-up dishes. Makes appetising sandwiches and beef tea.

Retail Jars, 1/-, 1/7, and 2/2

We will send sample carton of 8 jars each of the above for 30/5 net delivered

*Awarded the Certificate of the Royal Institute of
Public Health and Hygiene.*

WILSON MEATS LTD.
91/93 CHARTERHOUSE STREET, LONDON, E.C.1
24 SIR THOMAS STREET, LIVERPOOL, 1



P.A.T.A.

SHERLEY'S

DOG MEDICINES

Retailers are advised to order SHERLEY preparations in good time, and they will thus be able to maintain a favourable position regarding their stock of SHERLEY's Dog and Cat Medicines.

SHERLEY's sales policy is to give the fullest support to every Trader, and if orders are sent ahead it will be possible to avoid empty shelves and disappointed customers.

A. F. SHERLEY & CO., LTD

69-70 GORDON MANSIONS
TORRINGTON PLACE, LONDON, W.C.1

Continuous and Steadily Advertised Goods FOR DESTROYING RATS AND MICE

DANYSZ VIRUS

Retail Price (Protected)	Net Wholesale Price
for Rats and Mice, single tube, 2/-	15/- per doz.
3 tubes, 5/-	
for Mice only, single tube, 1/6	9/-
3 tubes, 3/-	

late-expired tubes returned to us postage paid will be exchanged free of charge.

Danysz Virus in Liquid Form

Retail Price	Wholesale Price
Bottles 6/- each	4/6 each
" 4/6	3/9

HALLER'S EXTRACT OF SQUILL and DANZO RAT KILLER

Discount off Retail Prices 25% Monthly Account, or
33 1/3% Cash with Order.

Retail	Monthly A/c	Cash with Order
gall. tins 10/-	7/6	6/8
" 18/-	13/6	12/-
" 80/-	60/-	53/4

DANZO BEETLE POWDER

for destroying Blackbeetles, Cockroaches, Crickets, etc.
Retail Prices (Protected) Wholesale Prices
cartons 9d. each 6/9 per doz.
" 1/6 " 13/6
" 3/- " 27/-

Danzo Beetle Powder will not deteriorate by keeping.

CARRIAGE PAID ON ALL ORDERS

To be obtained from

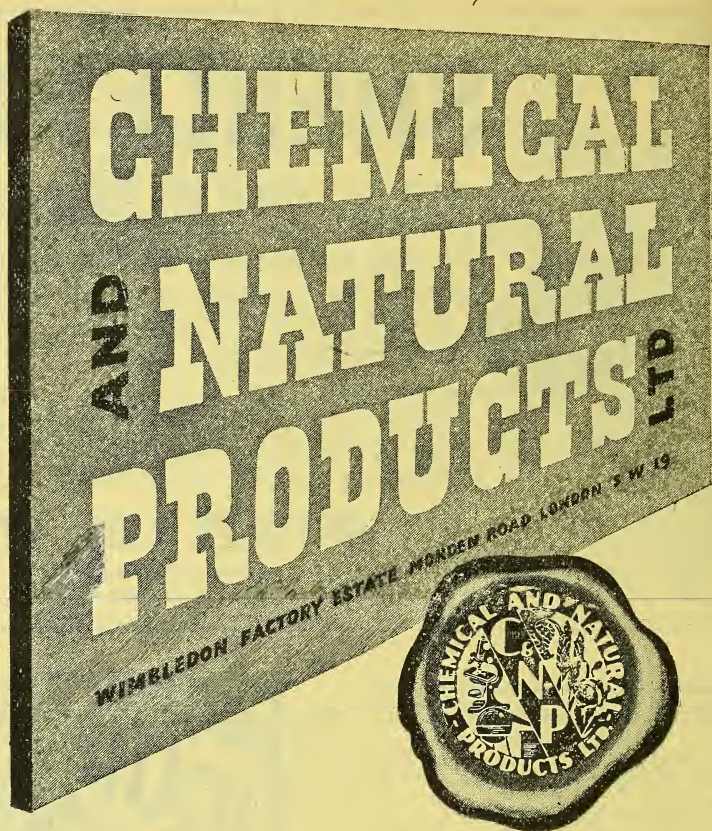
HALLER LABORATORIES, LTD.

325 Borough High Street, LONDON, S.E.1
Telegram: "Virudana, Sedist, London." Telephone: HOP. 2717

2/6 bottle of this perfectly balanced plant Food makes 64 gallons finest Liquid Manure. Get in touch with your Wholesaler without delay, and be prepared for the sales demand consequent upon big advertising.

LIQUINURE SALES

27 Burnt Oak Broadway, EDGWARE, MIDDLESEX

**DISTRIBUTORS OF:—**

SCRUBB'S CLOUDY AMMONIA

 RAZVITE BRUSHLESS
 SHAVING CREAM
 SCRUBB'S SOLID FUEL

VAL GUITARE

 LIPSTICK REFILLS
 LAIT DE COLOGNE
 COMPLEXION MILK
 AUTUMN CROCUS PERFUME

 NORILL FABRIC CLEANER
 CHEMINAT DISINFECTANT
SUPPLY POSITION:—

All customers rationed.

Limited Stocks.

All customers rationed
according to purchases
in Standard Period.Not available; manufac-
ture temporarily sus-
pended.

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

APRIL 22
1944

28, ESSEX STREET, LONDON, W.C.2

Supplement Advertisements must be prepaid and should reach us not later than FIRST POST WEDNESDAY of week of issue. Box Office numbers 1/- extra. Late advertisements will be held over to following week.

WAR DAMAGE ACT, 1943 (Part 2 Business Scheme) WAR RISKS INSURANCE ACT 1939 (PART 2)

In view of the recurrence of enemy air attack, it is of paramount importance that Chemists, wholesale and retail, know the value of their tangible assets. Inadequate cover results in inadequate compensation. The production of an Inventory and a reputable Valuer's Certificate facilitates an early and satisfactory Assessment.

ORRIDGE & CO., Columbia House, Aldwych, W.C.2; 5 Leicester Rd., Southampton, 136 Corporation Street, Birmingham, Valuers and Assessors, will undertake this important work for you. Terms on application. Tel.: Chancery 6446/7; Southampton 71708; Birmingham Central 1725

For Sale. 1 Ton Mag. Carb. Levis. Several tons Black Shale Resin. Also large quantity 15-grain Sulphur Tablets. Prices on application.

OWEN W. MARKS LTD.

Mersey Bank Laboratories, East Didsbury, Manchester, 20

PERFUMERY CONCENTRATES

Flower Oils, Compounds, etc., for use in the manufacture of high-class Cosmetics. Quality products only. Price List, 1d.

PICOT LTD.

14 High Park Road, Kew Gardens, nr. London (Prospect 5211)

Enquiries solicited for

ZINC CARBONATE B.P.C.

CALAMINA PRAEPARATA B-P.C.

Write—NEW CROSS CHEMICAL CO.
12 Verney Road, London, S.E.16

FOR DISPOSAL

5 Tons Graphite Powder, suitable for stove polish or lubricating, etc.

2,000 Gross New Tins, 2-oz., 4-oz., 8-oz., and 10-oz.

20,000 Cartons, 18 in. x 12 in. x 9½ in.

3,000 Cartons, 16 in. x 7½ in. x 7 in.

5,000 Strong Plywood Cases, 24 in. x 12 in. x 12 in.

300 Rolls Corrugated Paper, White-backed, 8½ in. x 250 ft.

Prompt delivery from stock.

M. F. LTD., Fortress Grove, London, N.W.5

Get Ready Now for SUMMER SALES

Once again we offer you **Rightan** Liquid Stocking Colour at 8/- per lb. Formula and full instructions free. Also available in **Beige, Tan, Dark Tan** and **Gun Metal** at 8/- per lb.

All cosmetic colours in stock; also Moulds for Lipsticks. Inquiries invited.

JOHN PRENTICE (London), LTD

3 The Exchange, Muswell Hill, N.10. Tud. 2174

OPTICAL TUITION

FOR THE

S.M.C., B.O.A., and N.A.O.: DIPLOMA Examinations
Particulars:—

C. A. SCURR, F.S.M.C., F.B.O.A., F.N.A.O.,
F.I.O., F.C.O., M.P.S.

50 HIGH STREET, BARNET, LONDON, N.

"Nulife" Transparent Bandage Plasters, six in packet, 36/- gross packets.

Flap-Jacks, Non-flamm Plastic Material, hand-decorated, four colours, 5/- each, plus 5/- tax.

C.W.O. or C.O.D. Samples on receipt of cost.

EDWARD FERGUSON,

"White Posts," Chobham, Surrey.

WATERPROOF BABIES' PANTS

at 24/- dozen, tax free.

NEWELL TRADING CO., LTD.

71 Fellows Road, London, N.W.3

PUSH-UP METAL LIPSTICK CASES

Three-piece, fits standard 11-mm. Refills. Satin finished, precision made. The most useful and attractive container on the Market.

Price 15/- per dozen, plus 15/- Purchase Tax.

Immediate delivery. Carriage paid on minimum orders of 2 dozens. Cash with order. Money refunded if not satisfied. Sample P.O. 2/9. Take this valuable line into stock whilst available.

VICTORIA TRADING CO.

5a Allington Street, London, S.W.1

EXCEPTIONAL OFFERS

Genuine Talc
Talc Substitute Zinc Stearate, B.P.
Emulsifying Wax
Stearic Acid Essential Oils
Spermaceti Substitute

Bulk Inquiries only

J. J. VIGON & CO.
 30 Fenchurch Street, London, E.C.3.
 Telephone : Mansion House 2034/5

TALC OPPORTUNITY

Best Superfine Snow-white talc pre-war standard in colour and slip delivered any part in 7 lb. pkts. while stocks last. No Purchase license required for one parcel monthly. Price 9/6 pkt. Remittance with order. **British & Overseas Minerals Ltd.** 69 Old Broad Street, London, E.C.3.

BOXES AND BOTTLES

Fancy Boxes, 6" x 3" x 2", 72/- gr.; 7" x 4" x 1", 69/- gr.; Talc Boxes, 48/-; Powder Boxes, 46/- gr. Many other sizes in stock. Perfume Bottles with Midget Corks and Gold-foil Capping, 1-dram, 34/-; 2-dram, 42/- gr.; 1oz., etc. Perfume Bottles, complete in boxes. Inquiries invited. Samples, 3/-.

WILLSON'S, 102 Carr House Road, Doncaster

SITUATIONS OPEN

7/6 for 40 words or less, 2d. for every additional word.

Employment of Women (Control of Engagements Order 1942)

With certain exceptions, women over 18 and under 41 years of age seeking Employment and Employers seeking to engage such women are now required to do so only through the local office of the Ministry of Labour and National Service or an approved employment agency.

RETAIL (HOME)

ACTIVE, energetic and reliable Man wanted to run busy shop for duration; must be exempt National Service; qualified preferred; good salary to right man; reply by letter, giving full particulars and references. **Pyke, Chemist, 127 North Road, Preston.**

BIRMINGHAM. Manager or Manageress required for Drug Stores (due to call-up of Pharmacists). Good experience essential. Apply by letter to **Mr. H. J. Callow, 214 Pineapple Road, King's Heath, Birmingham.**

BRADFORD. Qualified or unqualified Assistant wanted. Knowledge of Optics an advantage but not essential. Please give references and salary required. 564/247, C. & D. London Office.

CHEMIST-OPTICIAN or Chemist, either sex, exempt, required as Branch Manager; no Sunday or half-day duty. Apply, stating age, salary required, and experience to the Secretary, Co-operative Society, Free School Lane, Lincoln.

DISPENSERS and Assistants required for holiday relief; students at pharmacy colleges, please apply; Central London. "A," 564/236, C. & D. London Office.

LADY Pharmacist required in Lanes Town. Well experienced in General Pharmacy. To manage large business. Permanency; good wages and commission. 563/197, C. & D. London Office.

LONDON CO-OPERATIVE CHEMISTS, LTD. invite applications from qualified Pharmacists for progressive positions with post-war prospects, the Leyton, Edgware and Eastern suburban area. Applications stating full details and experience should be submitted to Chief Pharmacist, 54 Marland Street, Stratford, London, E.15.

MALE Sales Assistant required immediately for surgical counter in chemist's shop in W.C.2. district; ex-drug store or herbalist proprietor or manager would probably be suitable depending on previous experience; good salary at permanency for man exempt from military service. Full particulars to BCM/GEO, London, W.C.2.

NORTH-EAST Coast. Required immediately. Assistant, qualified; exempt military service; conversant with all recent advances in pharmacy; quick and accurate dispenser. 564/226, C. & D. London Office.

NORTH-EAST. Manager or Manageress required for Drug Store (due to call-up of Pharmacists). Good experience essential. Apply by letter to **Mr. E. Long, 24 Dale Road, Darlington.**

ORRIDGE & CO. Employment Agency, Columbus House, Aldwych, W.C.2, invite inquiries from Pharmacists and Unqualified Persons requiring Situations, except women between the ages of 1 and 41. Progressive vacancies available. Excellent opportunities exist for Unqualified Assistants.

QUALIFIED Assistant required, Lady or Gentleman, for high-class Dispensing business. Full particulars including salary required to **Lan 100-Western Road, Hove, Sussex.**

QUALIFIED Manager, Lady or Gentleman, for good-class Dispensing business. Full particulars including salary required to **Silver, Market Place, Kettering.**

QUALIFIED Manager required for duration for old-established business in West Country town. Please send full particulars and salary required. 564/234, C. & D. London Office.

QUALIFIED male or female required; permanent or locum from June 26; dispensing light; no Sunday or half-day duties; hours, 9-6. Full particulars to **H. Trembath, Barnstable.**

REQUIRED as soon as possible experience for unqualified male or female, exempt, to manage small Pharmacy as drug store for the duration. Apply, giving full particulars as to age, experience and salary required, and recent testimonials. 564/240, C. & D. London Office.

SCARBOROUGH. Manager or Manageress required for Drug Store (due to call-up of Pharmacists). Good experience essential. Apply by letter to **Mr. E. A. Riley, Ebor Cottage, Haxby, York.**

UNQUALIFIED experienced Assistant required for busy shop in Midlands; for duration only at present. **Walsall Co-operative Chemists, Ltd.** 36 Upper Bridge Street, Walsall.

UNQUALIFIED Assistant required for Dispensing and Family business. Particulars to **Sheard Chemist, 9 Leeds Road, Harrogate.**

LOCUMS WANTED

QUALIFIED Locum required, two to four weeks or more. State dates available, salary, etc. **Walsall Co-operative Chemists, Ltd., 36 Upper Bridge Street, Walsall.**

QUALIFIED Locum required from June 5 to 10 1944, and any other three weeks prior to September 1944. Full particulars to the Secretary **Scunthorpe Co-operative Society, Ltd., 180 High Street, Scunthorpe.**

THE BIRMINGHAM CO-OPERATIVE CHEMISTS LTD. require the services of a qualified Pharmacist (male or female) as Locum for holiday relief. May to September inclusive. Apply, stating full particulars to **The Superintendent Chemist, 422-4 Coventry Road, Small Heath, Birmingham, 4**

WHOLESALE

N Assistant experienced in Ointment making (unqualified) required by small but progressive manufacturing chemists; essential works; London area; good prospects post-war; write details experience and salary required. 564/229, C. & D. London Office.

HEMIST, elderly or exempt, for supervision in manufacturing department; one with good peering experience would suit; qualified or unqualified. H. O. Lloyd, M.P.S., 10 Suffolk Parade, Epsom.

HEMIST required, qualified or unqualified, for analytical control testing in laboratories of unknown pharmaceutical house; apply, giving full details of age, qualifications (if any), experience, salary required; please state position in regard military service. Box No. 34, c/o Mitchells, Ltd., Snow Hill, London, E.C.1.

HEMIST, lady or gentleman required on or before May 6. Good prospects to suitable applicant. Full particulars in first letter to W. E. Partridge, Managing Director, E.N.T. Manufacturing Co., Ltd., 1, Gloucester Road, Bristol, 7.

HEMIST required for Watford district, with knowledge of manufacturing processes and analytical control. Must be qualified and not eligible military service. 564/235, C. & D. London Office.

HEMIST required for laboratory work with well-known pharmaceutical house. Applicants should have sound knowledge of pharmaceutical and chemical analysis. Apply with full details of age, experience, salary required. Box 140, c/o Mitchells, Ltd., 1 Snow Hill, London, E.C.1.

OSMETIC Chemist required, capable of investigating and developing new formula. Should be capable of transferring laboratory experiment to pilot plant production. Apply by letter with full details of age, experience and salary required. 564/240, C. & D. London Office.

EXPERIENCED full-time Representatives required to introduce nationally-advertised proprietary lines to Chemists, London and Provinces. Good connexion amongst Chemists essential. Salary, commission, expenses. Send fullest particulars in confidence, stating territories covered. Box W50411, Addons, Salisbury Square, London, E.C.4.

VOICE Typist, exempt from call-up, required for Manufacturing Chemists. Previous experience drug trade essential. Apply giving full details. R. A. Cripps & Son, Ltd., D'Avignon Road, Hove, 2.

ONDON manufacturing chemists require capable person to supervise ampouling, compounding and packing of medical products; previous wholesale experience preferred, but not essential; full details salary required. 564/222, C. & D. London Office.

ONDON, N. Laboratory Assistant required for routine analysis. Male or female. Higher School Certificate standard. Would be trained if necessary. Good opportunity for student preparing for Final examinations. Write full details of age and liability military service. Box 42, C. Mitchell & Co., Ltd., Snow Hill, London, E.C.1.

MANUFACTURING Chemists require Pharmacist for their Liverpool works to develop and formulate new lines. Full details of career to date must be stated together with salary required, and if exempt from military service. 563/188, C. & D. London Office.

MANUFACTURING CHEMIST WANTED

A firm of national importance, with large Home and Export Trade, requires a Chemist with sound experience in the manufacture of medicinal preparations, including mixtures, powders, tablets, ointments, antiseptics, etc. The post offers exceptional post-war prospects, and to a keen man of real ability (who must be exempt) a generous salary will be paid. Please apply giving full details of experience, age, etc., in confidence to 564/232, C. & D. London Office.

PROGRESSIVE Organisation requires Qualified Chemist for Pharmacy Department. Either sex, exempt national service. Good salary and prospects. 444/353, C. & D. London Office.

SUPERVISOR required by a well-known Firm manufacturing Foods and Pharmaceutical Products, to control girls employed in the packing into tins, glass jars, etc., food and other specialities. Applicants must have had similar experience. Apply stating age, experience and salary required. 563/208, C. & D. London Office.

THE WELLCOME FOUNDATION, LTD., invite applications for a position in the Control Laboratories at the Wellcome Chemical Works. Applicants (men or women) should possess an Honours Degree in Chemistry, or its equivalent; preference will be given to those with some experience in analytical work. The position is permanent and pensionable. Applications stating full particulars in regard to age, qualifications, experience and salary required should be addressed to the Works Manager, Wellcome Chemical Works, Dartford, Kent.

TABLET Maker. Experienced tablet maker wanted for priority work; good salary offered according to experience; excellent post-war prospects for man with ability; works situated in North-west England. CDB/280, C. & D. London Office.

WELL-KNOWN firm of Pharmaceutical Manufacturers near London requires the services of a Pharmacist, preferably with a Ph.C. or B.Pharm. qualification. Applicants should have wholesale or hospital experience and be capable of undertaking pharmaceutical research work. State age, experience, salary required; liability to military service. 564/230, C. & D. London Office.

WELL-ESTABLISHED House requires qualified or unqualified Pharmacists as Representatives to call upon medical officers, etc., in industry. Previous experience not essential, but applicants must have highest credentials. Remuneration, salary, commission and expenses. Write in strict confidence. 564/248, C. & D. London Office.

SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word.

RETAIL (HOME)

RETAIL or Wholesale. Engagement desired; experienced all branches; usual salary; first-class references; unqualified; Birmingham or neighbourhood. E. Hanley, 64 Church Road, Erdington, near Birmingham.

WHOLESALE

ACTIVE Traveller wants good offer, free from national service, good connexion Southern Counties. "Chemists' wages, commission and expenses wanted. Excellent references. A. Beck, Regent Club, 19 Buckingham Street, Strand, London, W.C.2.

FIRST-CLASS Representative, 45, covering South-west England and South Wales, 10 years, is open for further representation. CDB/282, C. & D. London Office.

REPRESENTATIVE, connexion Retail Chemists, covering South-west England, seeks change; under 40, exempt. Good-class Proprietary lines preferred. 564/242, C. & D. London Office.

REPRESENTATIVE (35), established connexion Chemists and Domestic Stores, East London district, seeks position with Wholesale House; car, drive. 564/243, C. & D. London Office.

SALES Manager (37), exempt, fifteen years' experience patent medicines, perfumery and sundries, requires position with post-war prospects; good export connexion Continent as well as Dominions and Colonies. 564/244, C. & D. London Office.

LOCUMS SEEKING ENGAGEMENT

LOCUM. A few early dates open. Full particulars etc. 564/245, C. & D. London Office.

PATENTS

THE proprietor of British Patent No. 461317, entitled "Coating for Medical Compound," offers same for license or otherwise to ensure practical working in Great Britain. Inquiries to Singer, Ehler, Stern & Carlberg, Steger Building, Chicago, 4, Illinois, U.S.A.

BUSINESS OPPORTUNITIES

7/6 for 40 words or less, 2d. for every additional word.

PACKING House has accommodation for one extra stable line. Easy access to main line railways. 564/241, C. & D. London Office.

SHOE Polish. Advertisers seeking connexion with Manufacturing Chemists able to undertake filling of shoe polish. Ingredients supplied. 564/227, C. & D. London Office.

TABLETTE Machines available for immediate work; 1½/2,000,000 weekly. 563/209, C. & D. London Office.

BUSINESSES FOR DISPOSAL

7/6 for 40 words or less, 2d. for every additional word.

BY Order of Executors, re T. J. Morris, deceased. Three Chemists' Businesses for Sale as a going concern in residential London suburb. Leasehold premises. Ingoing for Goodwill, Fixture, Stock, etc., approximately £2,750 for the whole. Apply Rowland Rawlins & Co., 26 Great Tower Street, E.C.3.

MIDLANDS: firm of Wholesale Druggists and Edible Oil Merchants for Sale, owing to illness. Established 90 years and serving customers in five counties. 564/228, C. & D. London Office.

PRESTON, Lancs. Highly profitable Business for Sale; turnover £8,000-£10,000; low overheads; price £3,000, plus Stock at valuation. 564/233, C. & D. London Office.

AGENCIES

7/6 for 36 words or less, 2d. for every additional word.

AGENCIES required by Northern Ireland Wholesale Chemist; storage available; distribution undertaken; reputable firms only. 564/237, C. & D. London Office.

ANNEXATION. Scottish firm (established) desirous of obtaining a good agency; live sales organisation available for concentration on sound lines with post-war prospect; excellent connexion among Chemists, Stores, etc. 564/221, C. & D. London Office.

PORTUGAL. Agent, well-established connexion with chemists, seeks additional agencies with post-war prospects. Able to undertake manufacture and distribution. 560/996, C. & D. London Office.

U.S.A. Business Missions, Agencies and Additional Lines accepted by Chemist-pharmacist, leaving very shortly for the States. 564/225, C. & D. London Office.

MISCELLANEOUS SALES

12/6 for 60 words or less, 1/- each additional 10 words or less.

Traders buying and selling hereunder must observe the Restriction of Resale Order S. R. & O. 1942 No. 958

FOR Sale. One 10-punch Heavy Duty Rotary Tablet Machine; one Duplex Action Heavy Duty Tablet Machine; one Small Bench Rotary Table Machine. 563/191, C. & D. London Office.

APPOINTMENTS

MIDDLESEX COUNTY COUNCIL

ASSISTANT PHARMACIST required at NORTH MIDDLESEX COUNTY HOSPITAL, Edmonton, N.18. Candidates must hold one of Pharmaceutical Society's qualifications. Some hospital experience desirable. Commencing salary £250 p.a. Annual increments of £10 up to £300 p.a. considered. Additional cost of living bonus (now £44 6s. p.a.). Unestablished staff. Whole-time duties under Medical Director and Chief Pharmacist. Application, stating age, nationality, qualifications, experience, enclosing copies of not more than three recent testimonials, to The Medical Director "L1" of Hospital. Application forms not provided. (Male candidates should state position with regard to military service; women should not be liable for National Service.) Closing date, 6th May, 1944.

Middlesex Guildhall, C. W. RADCLIFFE,
Westminster, S.W.1. Clerk of the
County Council.

WANTED

7/6 for 36 words or less, 2d. for every additional word.

ASPIRIN Powder and/or Tablets required; buying commission offered to person introducing supplies. 564/224, C. & D. London Office.

ASPIRIN Powder, Crystals, Grans., and 5-gra tablets, required in large or small quantities. Highest market prices paid. 442/304, C. & D. London Office.

GENTIAN Violet enteric-coated Pills or Capsules required in bulk by manufacturing chemist 564/223, C. & D. London Office.

LACTOSE wanted, any quantity; please give details amount available, and price. CDB/28 C. & D. London Office.

SMALL Power or Hand-driven Cream-filling Machine required. Suitable for cold filling 1-oz. to 2-oz. jars. Give make, details and price required. Mead, 261 Hillmorton Road, Rugby, Warwickshire.

WANTED Haircream Jars, 2-drachm Sprinkler White and Yellow Petroleum Jelly, Glycerine 1-oz. White Flint Squat Jars, 1-oz. Amber Jars with White Caps. W. T. March & Co., 166 Mitcham Road London, S.W.17. Streatham 3535.

WANTED for Spot Cash. National, Remington and Gledhill Cash Registers, all sizes, age immaterial; any quantity entertained. Amalgamated Business Machines, Ltd., 64 Mortimer Street W.1. Phone: Museum 0941. Repairs, Sales Exchanges.

WANTED Microscopes, all models, particularly good outfits up to £300 or £400. High prices immediate cash. Wallace Heaton, Ltd., 127 New Bond Street, W.1.

WANTED, 1-oz. to 2-oz. Bottles, screw cap or cork. Must be made prior to July, 1942 555/730, C. & D. London Office.

WANTED supplies of Pot. Hydroxyquinoline Sulphate, any quantities, 7 lbs. to 112 lbs 564/235, C. & D. London Office.

SHOP FITTING

MYERS OF OLD ST. THE PHARMACY FITTERS

ALL PHARMACY FITTINGS. New and Secondhand From the single unit—to the complete Pharmacy Write, Phone or call

L. MYERS, 133-135 OLD ST., E.C.1. Phone: CLE 6381

1844—1944

R. Sumner

and COMPANY LTD

have pleasure in
announcing the
completion of a
century of
service



R. SUMNER & CO. LTD.

Manufacturing Chemists

HANOVER STREET, LIVERPOOL, 1

'Phone: Royal 6644



The ethical medical preparation for
the treatment of Asthma. Prescribed
and recommended by the Medical Pro-
fession throughout the British Empire



BRITISH FELSOL COMPANY LTD.
WIGTON HOUSE, 206-212 ST. JOHN STREET, CLERKENWELL, LONDON, E.C.1
Telephone: CLERKENWELL 5862. Cables: 'Felsol,' Smith, London